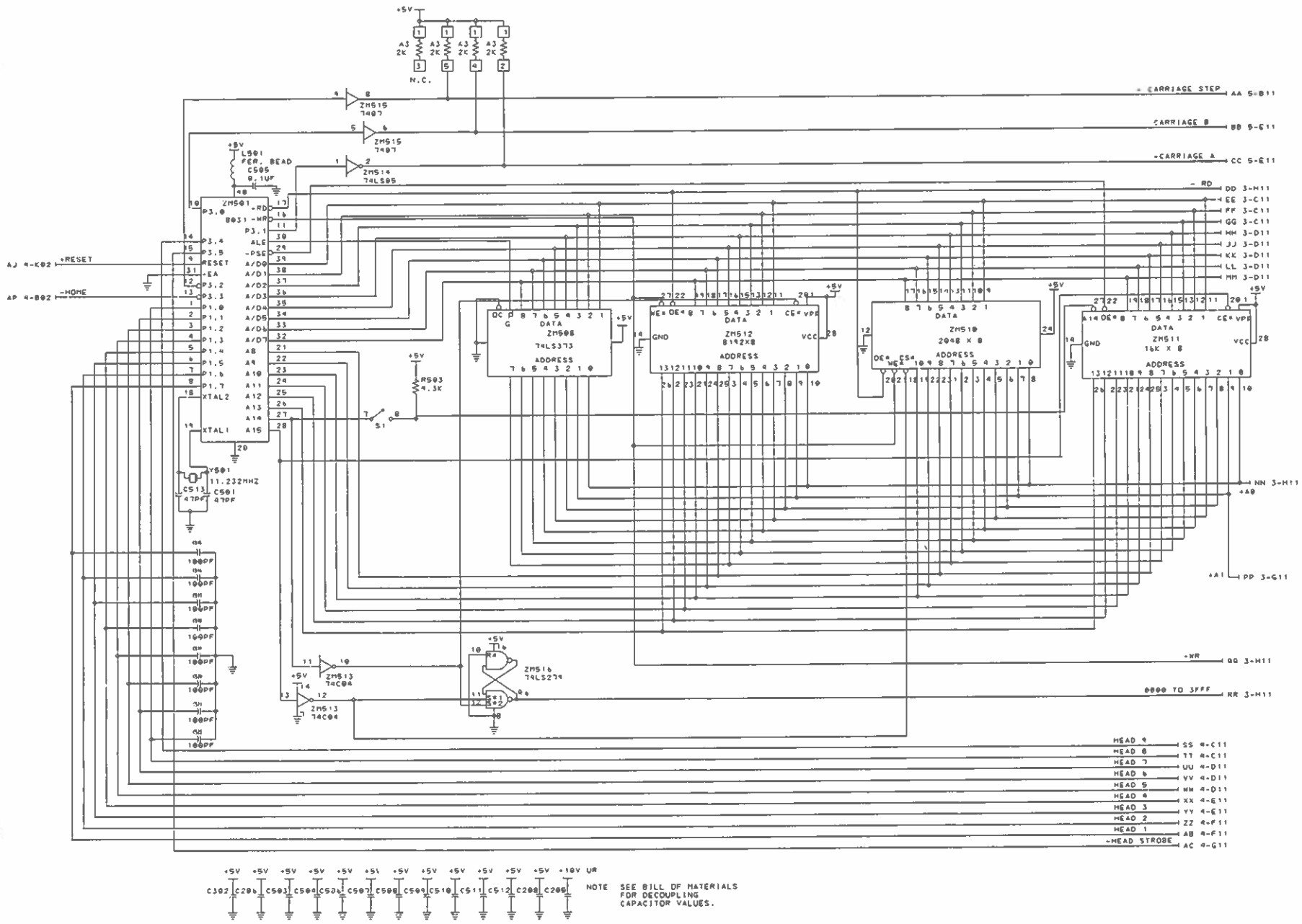
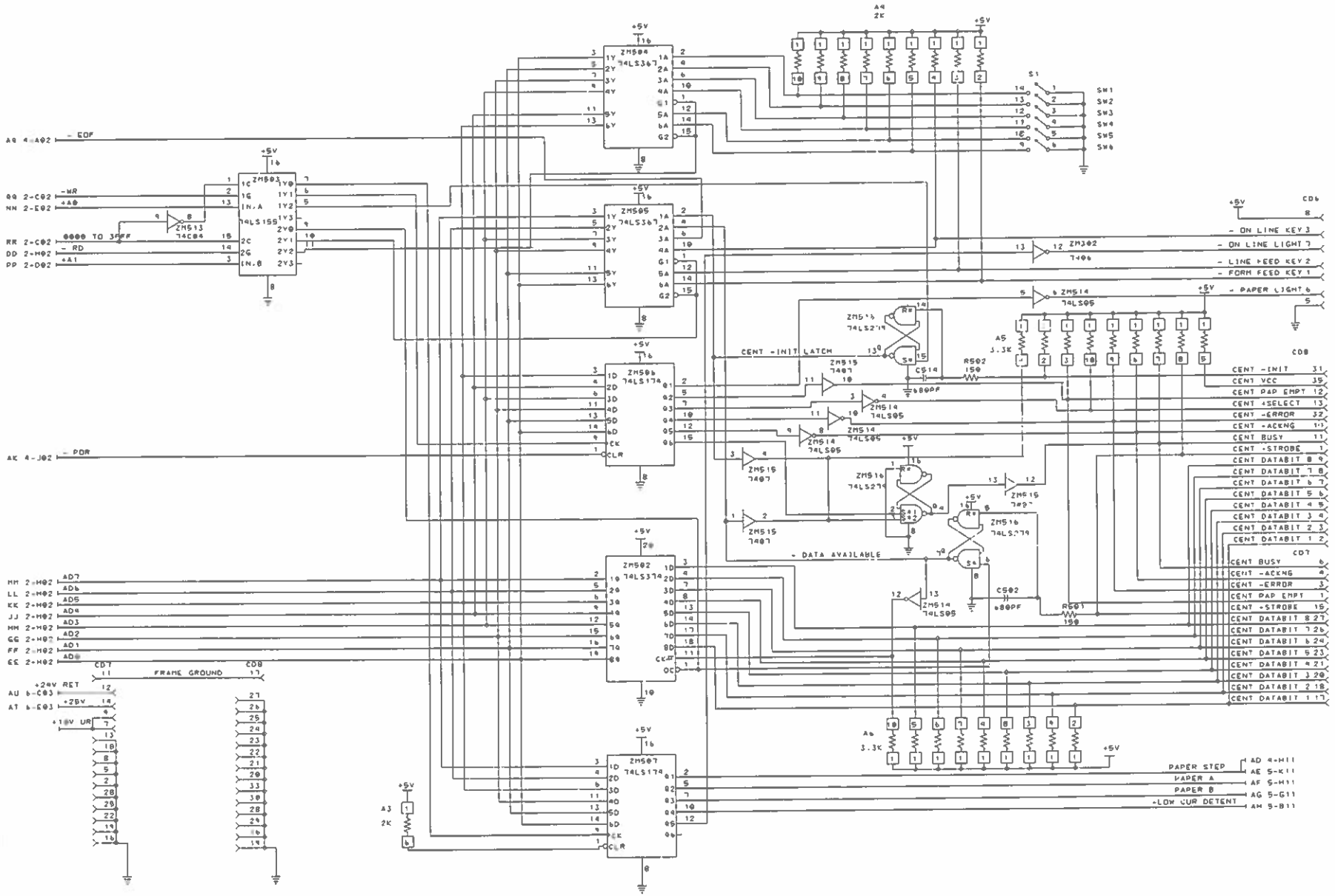
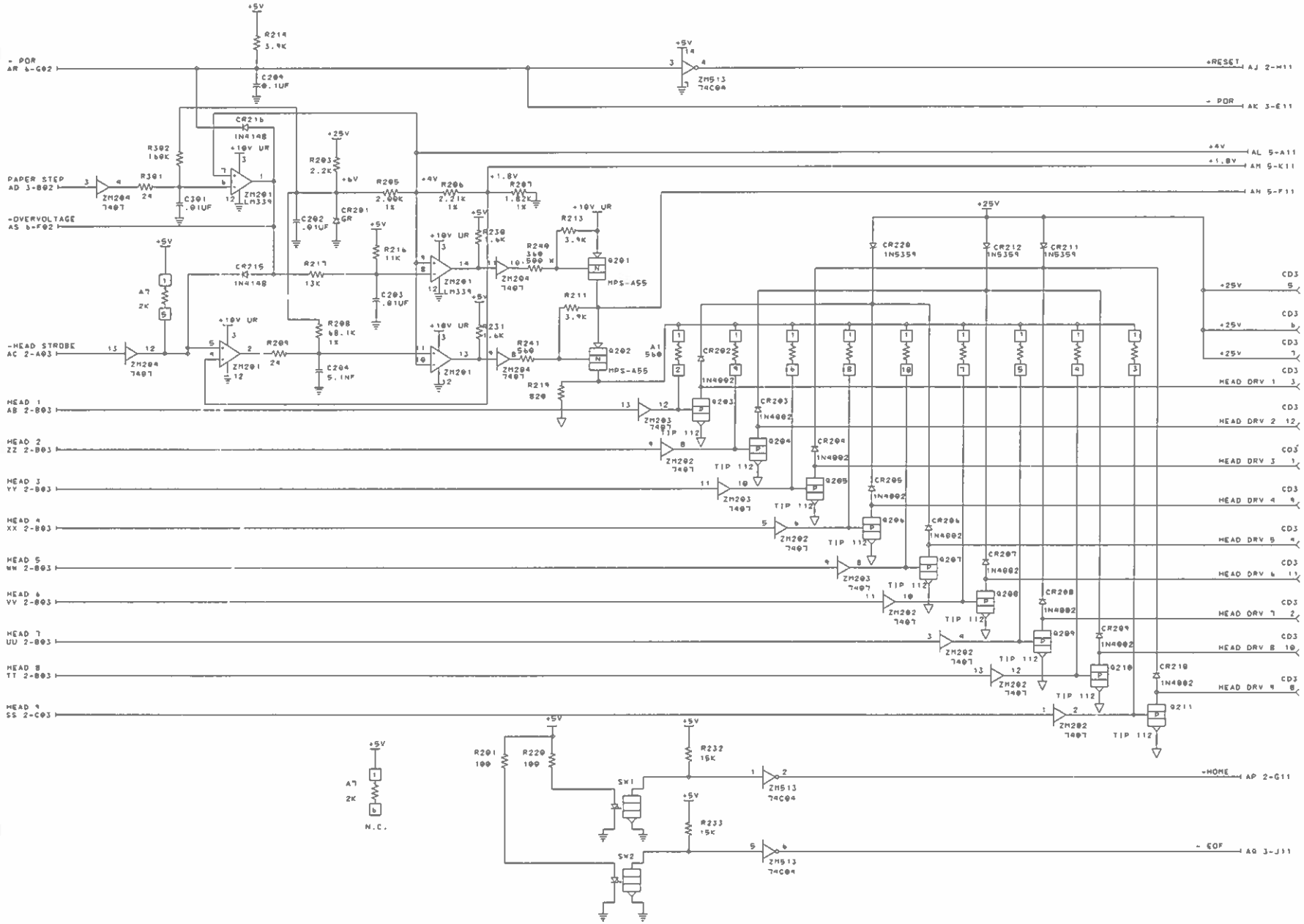
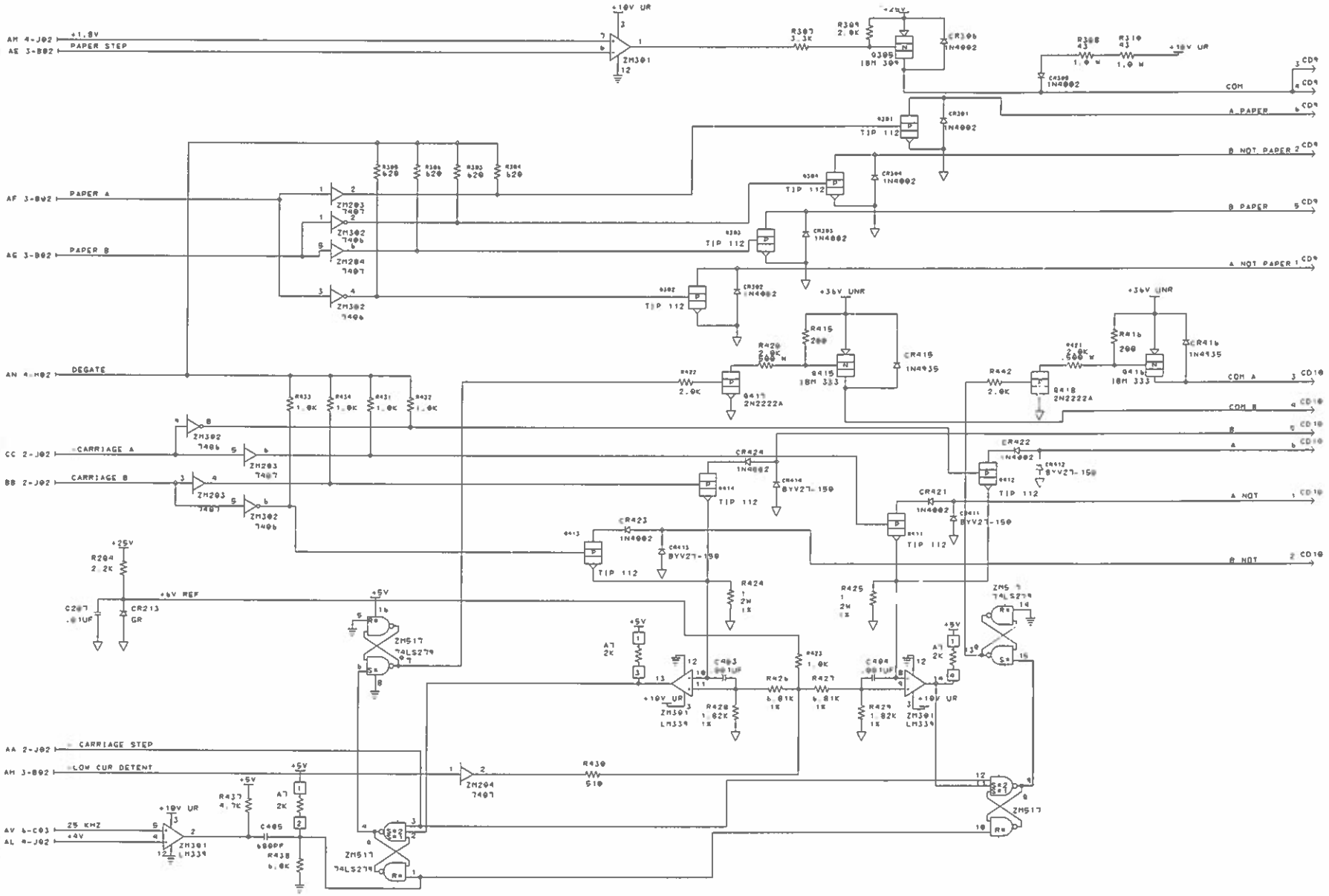
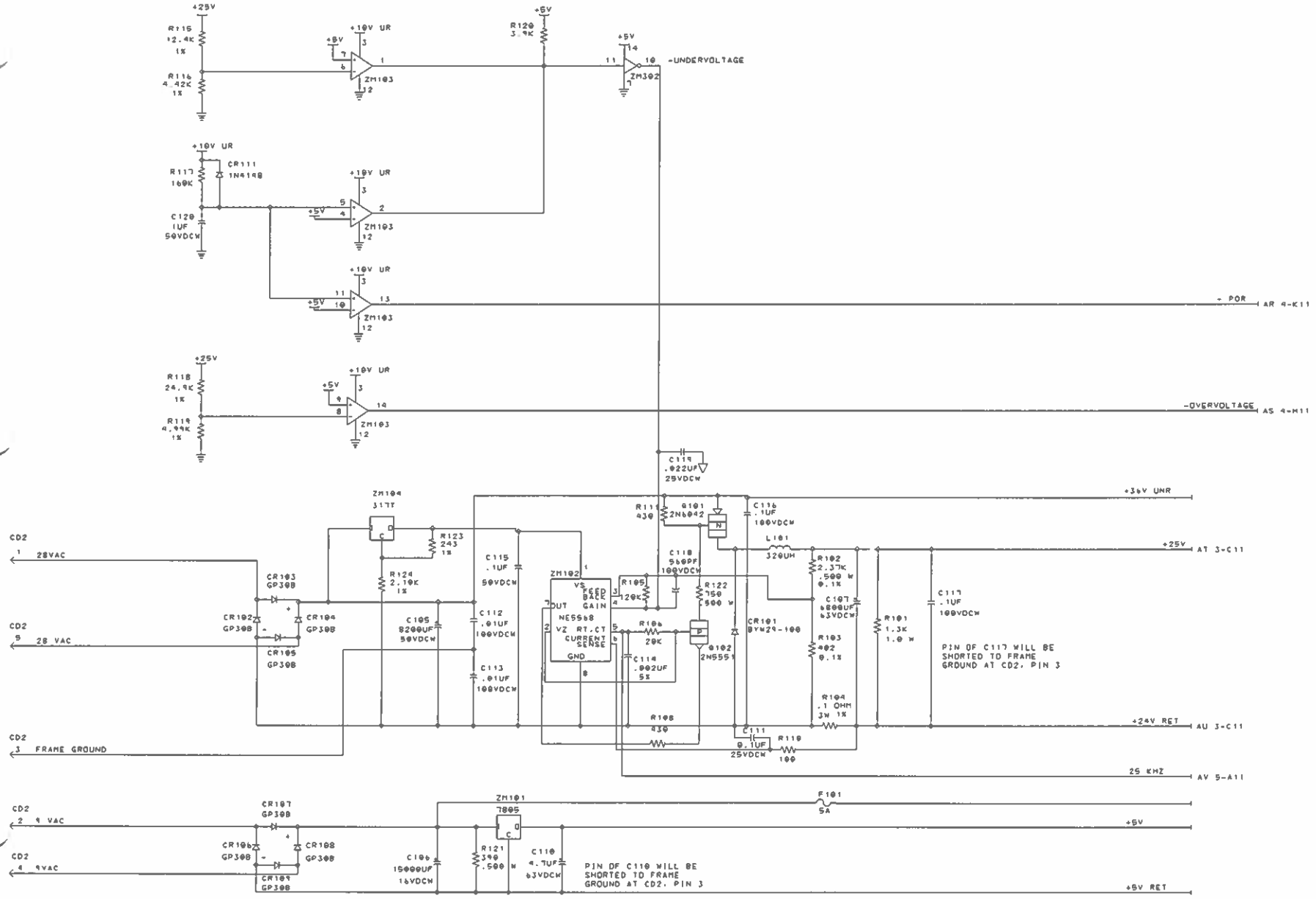

+5V
AJ 2K
N.C.
ZMS15 7407
ZMS14 74LS05
L501 FER. BEAD
C505 0.1UF
ZMS01 8031
P3.0 -RD
-WR
P3.4 ALE
P3.5 -PSE
RESET
-EA
P3.2
P3.3
P1.0 A/D0
P1.1 A/D1
P1.2 A/D2
P1.3 A/D3
P1.4 A/D4
P1.5 A/D5
P1.6 A/D6
P1.7 A/D7
XTAL2
XTAL1
A8
A9
A10
A11
A12
A13
A14
A15
AJ 4-K02 +RESET
AP 4-B02 -HOME
Y501 11.232MHZ
C513 47PF
C501 47PF
RS03 4.3K
S1
ZMS08 74LS373
ZMS12 8192X8
ZMS10 2048 X 8
ZMS11 16K X 8
ADDRESS
DATA
ZMS13 74C04
ZMS16 74LS279
+CARRIAGE STEP AA 5-B11
CARRIAGE B BB 5-E11
-CARRIAGE A CC 5-E11
- RD DD 3-H11
EE 3-C11
FF 3-C11
GG 3-C11
HH 3-D11
JJ 3-D11
KK 3-D11
LL 3-D11
MM 3-D11
NN 3-H11
+A0
+A1 PP 3-G11
-WR QQ 3-H11
0000 TO 3FFF RR 3-H11
HEAD 9 SS 4-C11
HEAD 8 TT 4-C11
HEAD 7 UU 4-D11
HEAD 6 VV 4-D11
HEAD 5 WW 4-D11
HEAD 4 XX 4-E11
HEAD 3 YY 4-E11
HEAD 2 ZZ 4-F11
HEAD 1 AB 4-F11
-HEAD STROBE AC 4-G11
+10V UR
C202 C206 C503 C504 C505 C507 C508 C509 C510 C511 C512 C208 C209
NOTE SEE BILL OF MATERIALS FOR DECOUPLING CAPACITOR VALUES.

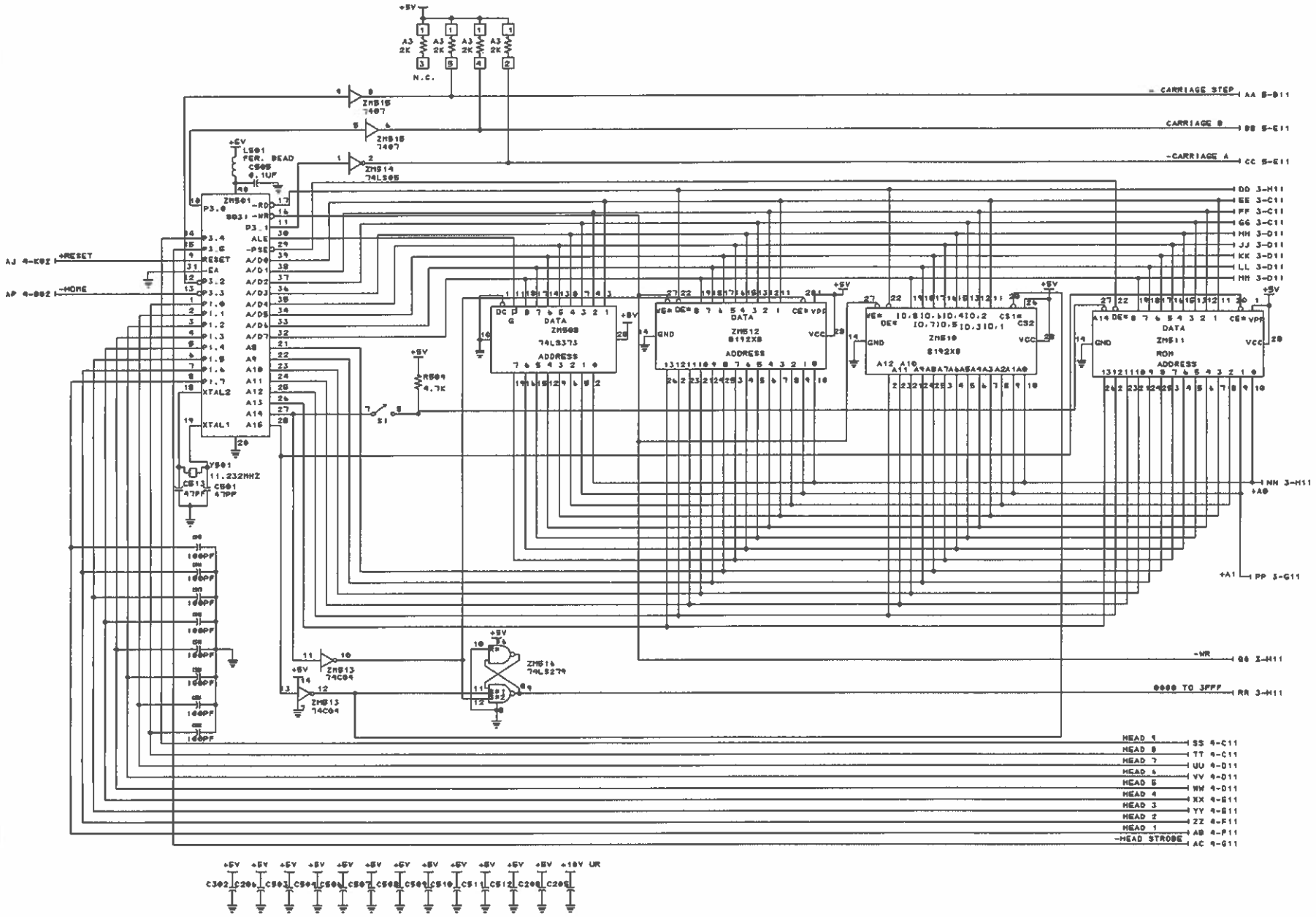

- EOF
-WR
+A0
0000 TO 3FFF
- RD
+A1
- POR
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
FRAME GROUND
+24V RET
+25V
+10V UR
CENT -INIT LATCH
- DATA AVAILABLE
- ON LINE KEY 3
- ON LINE LIGHT 7
- LINE FEED KEY 2
- FORM FEED KEY 1
- PAPER LIGHT 6
CENT -INIT
CENT VCC
CENT PAP EMPT
CENT +SELECT
CENT -ERROR
CENT -ACKNG
CENT BUSY
CENT +STROBE
CENT DATABIT 8
CENT DATABIT 7
CENT DATABIT 6
CENT DATABIT 5
CENT DATABIT 4
CENT DATABIT 3
CENT DATABIT 2
CENT DATABIT 1
PAPER STEP
PAPER A
PAPER B
+LOW CUR DETENT

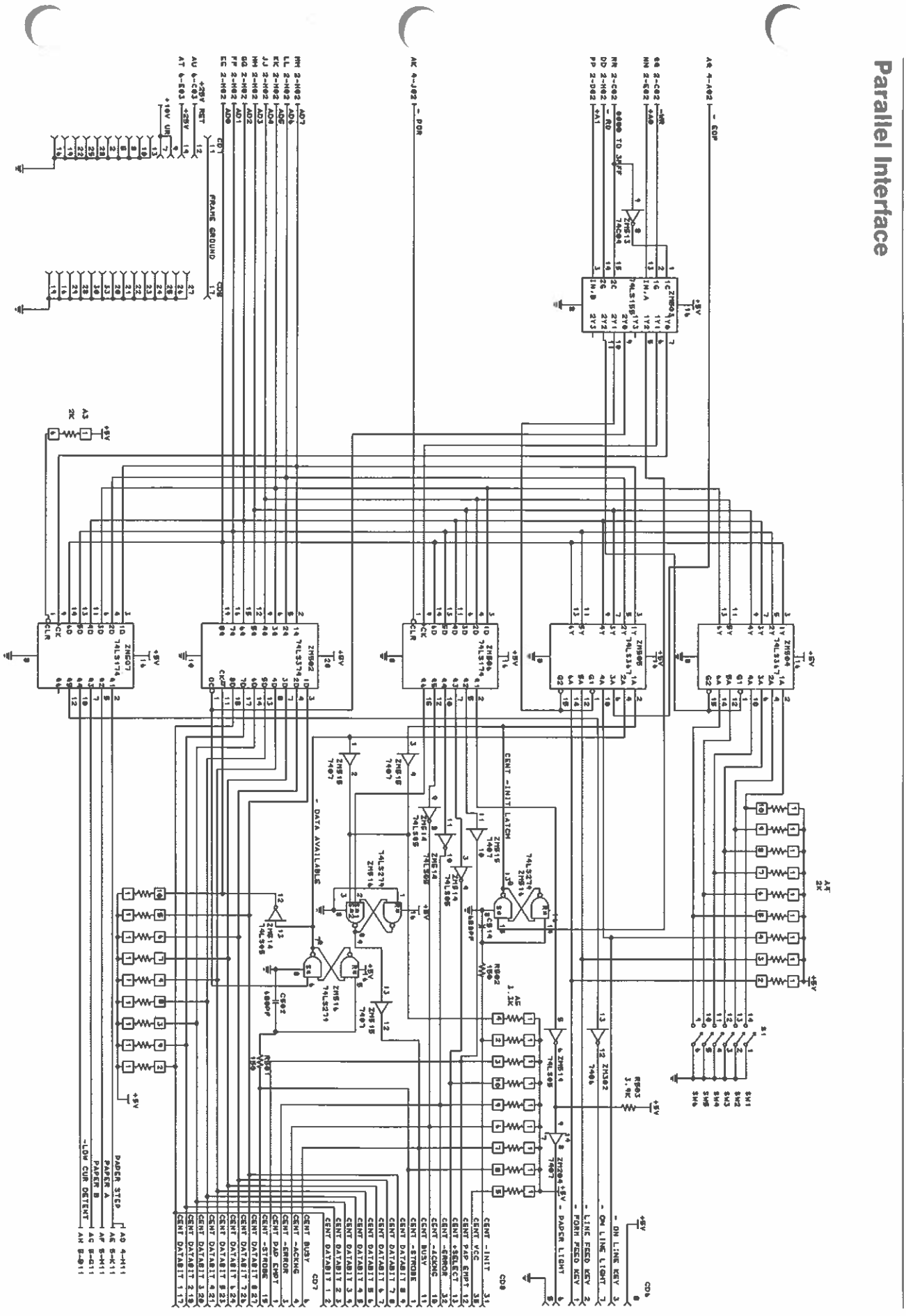

- POR
PAPER STEP
-OVERVOLTAGE
-HEAD STROBE
HEAD 1
HEAD 2
HEAD 3
HEAD 4
HEAD 5
HEAD 6
HEAD 7
HEAD 8
HEAD 9
+RESET
- POR
-HOME
- EOF
HEAD DRV 1
HEAD DRV 2
HEAD DRV 3
HEAD DRV 4
HEAD DRV 5
HEAD DRV 6
HEAD DRV 7
HEAD DRV 8
HEAD DRV 9
TIP 112
MPS-A55
1N4002
1N5359
ZM204 7407
ZM201 LM339
ZM513 74C04
ZM202 7407
ZM203 7407
N.C.

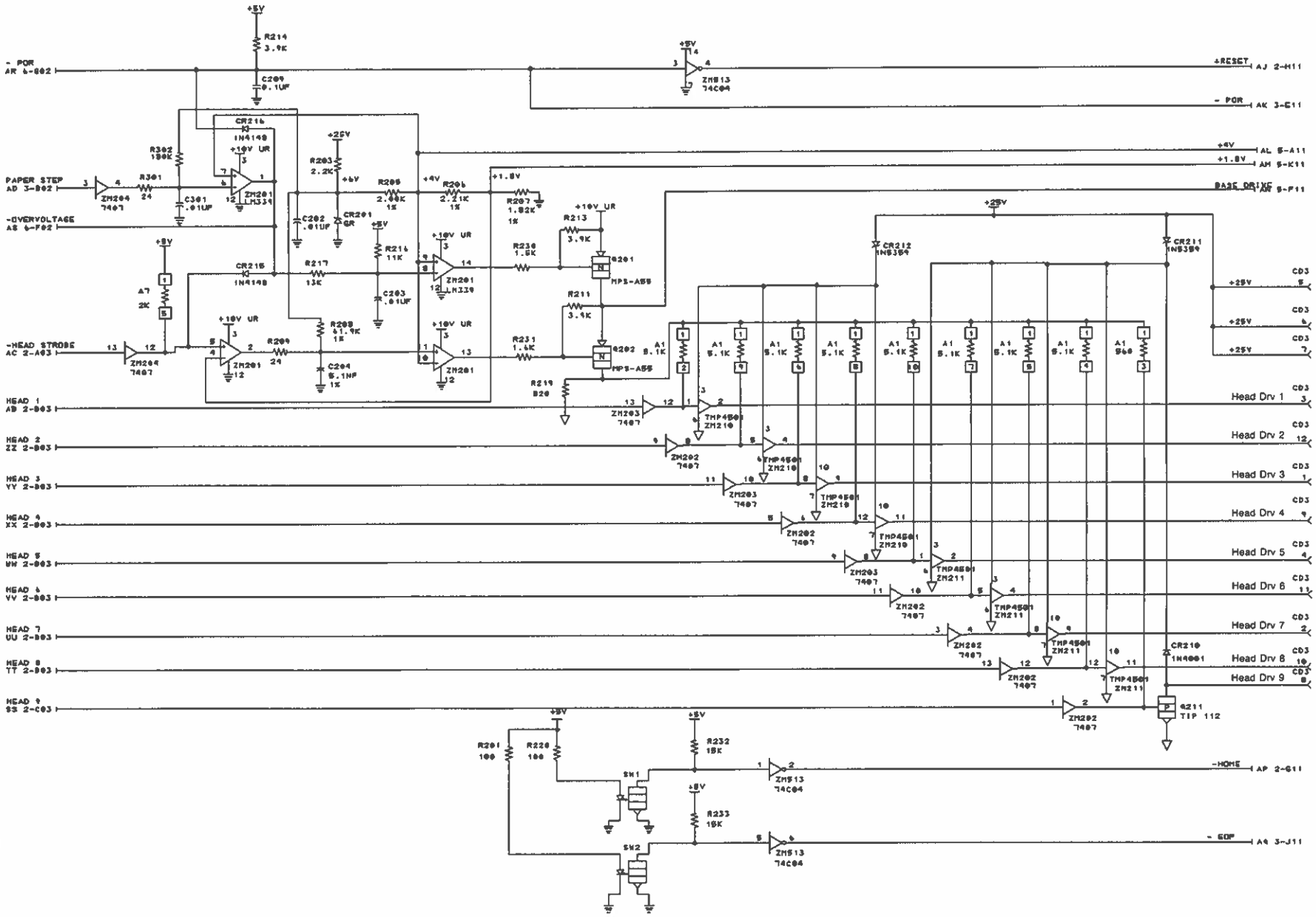
Motor Drivers



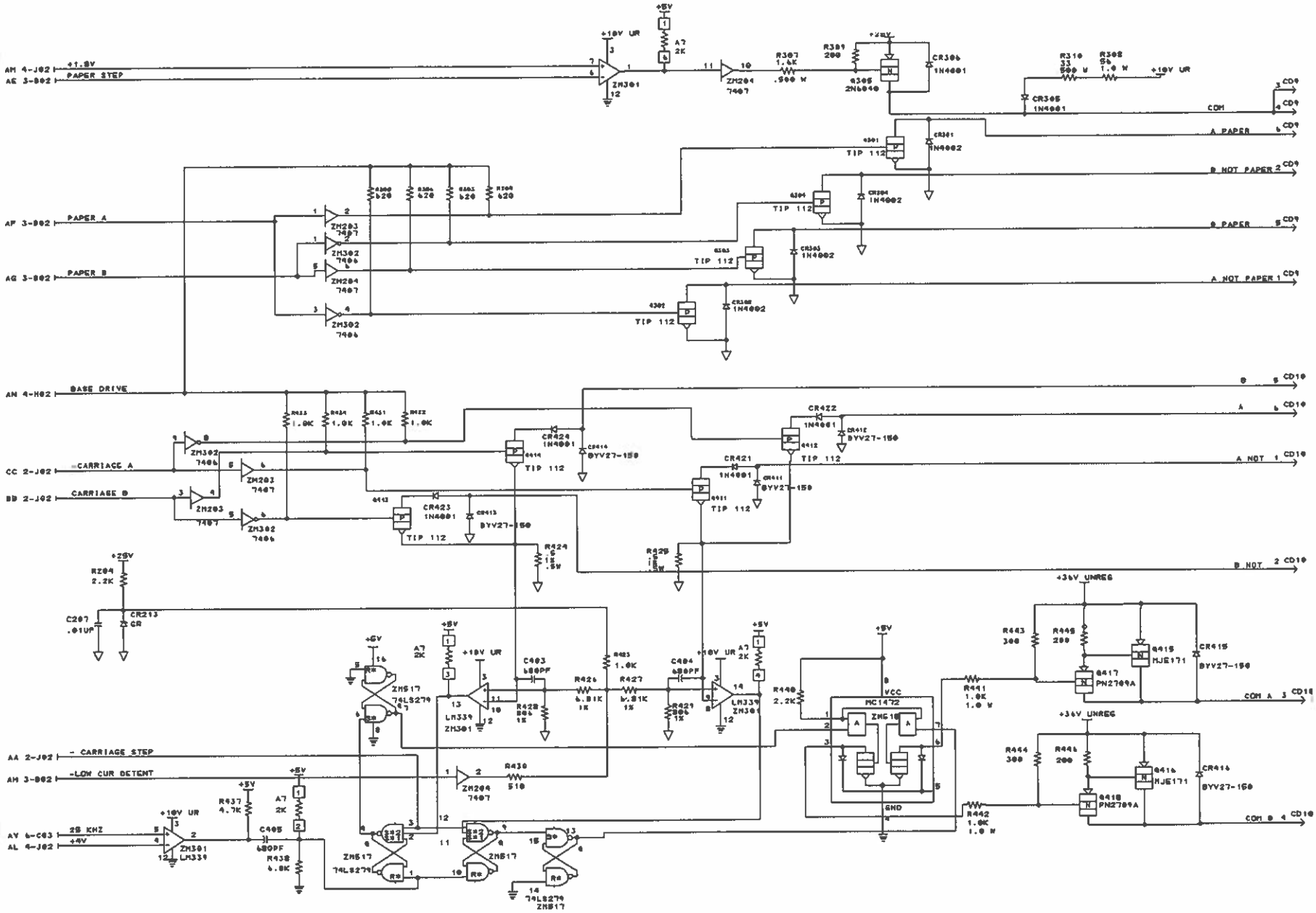

+25V
R115 12.4K 1%
R116 4.42K 1%
+10V UR
ZM103
+5V
R120 3.9K
ZM302
-UNDERVOLTAGE
CR111 1N4148
R117 169K
C120 1UF 50VDCW
- POR
AR 4-K11
R118 24.9K 1%
R119 4.99K 1%
-OVERVOLTAGE
AS 4-M11
C119 .022UF 25VDCW
ZM104 317T
+36V UNR
R123 243 1%
R124 2.10K 1%
C115 .1UF 50VDCW
C112 .01UF 100VDCW
C113 .01UF 100VDCW
C105 8200UF 50VDCW
CR103 GP30B
CR102 GP30B
CR104 GP30B
CR105 GP30B
CD2 1 28VAC
CD2 5 28 VAC
CD2 3 FRAME GROUND
ZM102
NE5568
VS FEED BACK GAIN
OUT
VZ RT.CT CURRENT SENSE
GND
R111 430
Q101 2N6042
C116 .1UF 100VDCW
L101 320UH
+25V
AT 3-C11
C118 560PF 100VDCW
R105 120K
R122 150 5W
R106 20K
C114 .002UF 5%
Q102 2N5551
CR101 BYW29-100
R102 2.37K .5W 0.1%
C107 6800UF 63VDCW
R103 402 0.1%
R104 .1 OHM 3W 1%
R101 1.3K 1.0 W
C117 .1UF 100VDCW
PIN OF C117 WILL BE SHORTED TO FRAME GROUND AT CD2, PIN 3
R108 430
+24V RET
AU 3-C11
C111 0.1UF 25VDCW
R110 100
25 KHZ
AV 5-A11
CR107 GP30B
CR106 GP30B
CR108 GP30B
CR109 GP30B
CD2 2 9 VAC
CD2 4 9VAC
ZM101 7805
F101 5A
+5V
C106 15000UF 16VDCW
R121 390 .5W
C110 4.7UF 63VDCW
PIN OF C110 WILL BE SHORTED TO FRAME GROUND AT CD2, PIN 3
+5V RET


+5V
A3 2K
N.C.
ZMS15 7407
ZMS16 7407
ZMS14 74LS05
LS01 FER. BEAD
C505 0.1UF
ZMS01
P3.0
P3.4
P3.5
RESET
EA
P3.2
P3.3
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
XTAL2
XTAL1
-RD
-WR
P3.1
ALE
-PSEN
A/D0
A/D1
A/D2
A/D3
A/D4
A/D5
A/D6
A/D7
A8
A9
A10
A11
A12
A13
A14
A15
AJ 4-K9 I +RESET
AP 4-B9 I -HOME
Y501
11.232MHZ
C513 47PF
C501 47PP
100PF
R501 4.7K
S1
ZMS13 74C04
ZMS16 74LS279
ZMS08 74LS373
ZMS12 8192X8
ZMS10 8192X8
ZMS11 ROM
DATA
ADDRESS
- CARRIAGE STEP
CARRIAGE B
-CARRIAGE A
DD 3-H11
EE 3-C11
FF 3-C11
GG 3-C11
HH 3-D11
JJ 3-D11
KK 3-D11
LL 3-D11
MM 3-D11
NN 3-H11
+A0
+A1
PP 3-G11
-WR
QQ 3-H11
0000 TO 3FFF
RR 3-H11
HEAD 9
HEAD 8
HEAD 7
HEAD 6
HEAD 5
HEAD 4
HEAD 3
HEAD 2
HEAD 1
-HEAD STROBE
SS 4-C11
TT 4-C11
UU 4-D11
VV 4-D11
WW 4-D11
XX 4-E11
YY 4-E11
ZZ 4-F11
AB 4-P11
AC 4-G11
+10V UR
C502 C503 C504 C505 C506 C507 C508 C509 C510 C511 C512 C200 C201

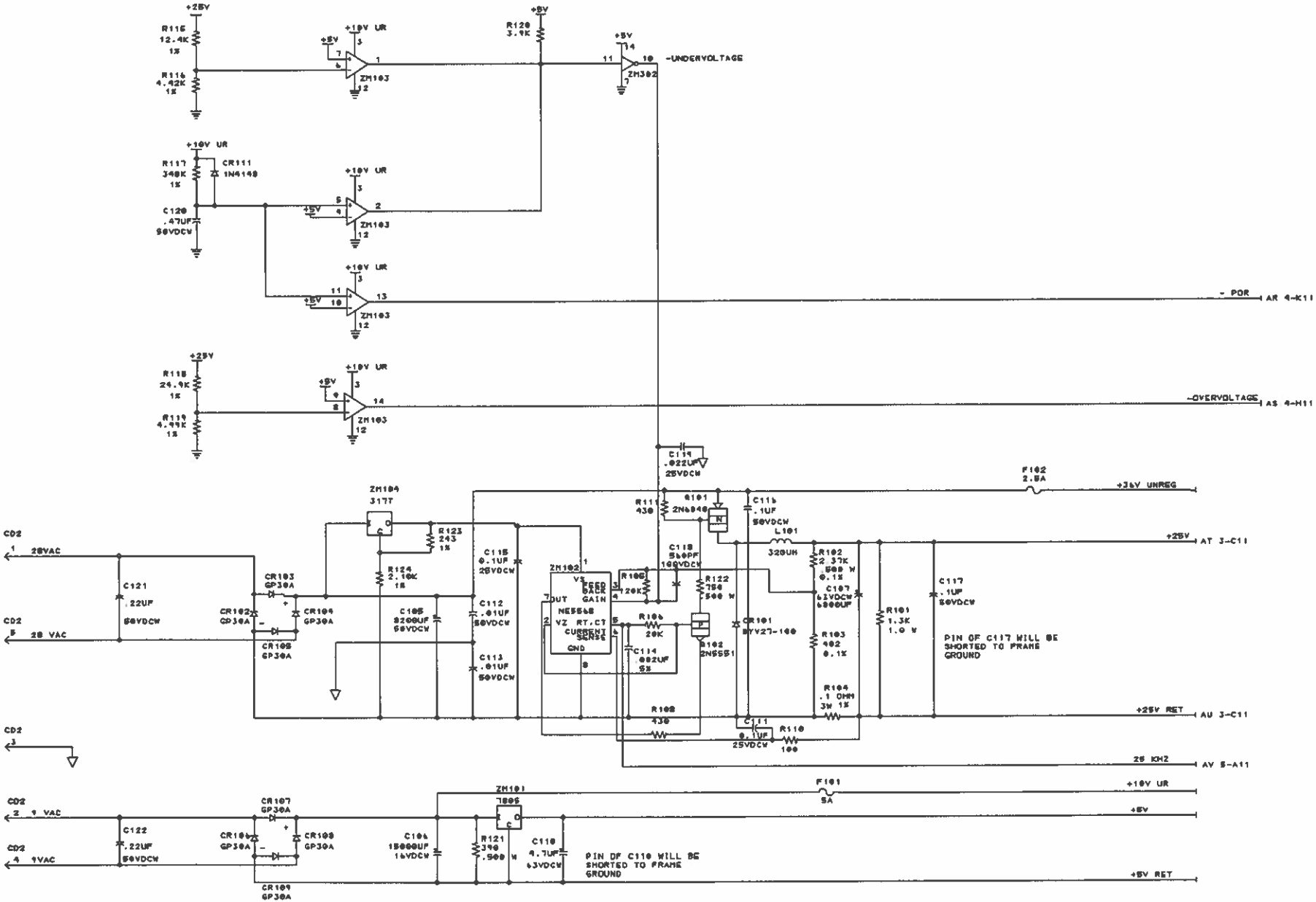



- POR
AR 6-B02
PAPER STEP
AD 3-B02
-OVERVOLTAGE
AB 6-F02
-HEAD STROBE
AC 2-A03
HEAD 1
AB 2-B03
HEAD 2
ZZ 2-B03
HEAD 3
YY 2-B03
HEAD 4
XX 2-B03
HEAD 5
WW 2-B03
HEAD 6
VV 2-B03
HEAD 7
UU 2-B03
HEAD 8
TT 2-B03
HEAD 9
SS 2-C03
+RESET
AJ 2-H11
- POR
AK 3-E11
+4V
AL 5-A11
+1.8V
AM 5-K11
BASE DRIVE
AN 5-F11
-HOME
AP 2-G11
- EOP
AR 3-J11
Head Drv 1
Head Drv 2
Head Drv 3
Head Drv 4
Head Drv 5
Head Drv 6
Head Drv 7
Head Drv 8
Head Drv 9
+5V
+25V
+10V UR
ZM204 7407
ZM201 LM339
ZM203 7407
ZM202 7407
ZM513 74C04
TMP4501 ZM210
TMP4501 ZM211
Q201 MPS-A55
Q202 MPS-A55
Q211 TIP 112
CR201 GR
CR210 1N4001
CR211 1N5359
CR212 1N5359
CR215 1N4148
CR216 1N4148
R214 3.9K
C209 0.1UF
R302 150K
R301 24
C301 .01UF
R203 2.2K
C202 .01UF
R205 2.49K 1%
R206 2.21K 1%
R207 1.82K 1%
R213 3.9K
R210 1.5K
R211 3.9K
R231 1.5K
R219 820
R217 13K
R214 11K
C203 .01UF
R208 61.9K 1%
R209 24
C204 5.1NF 1%
A7 2K
A1 5.1K
A1 960
R201 100
R220 100
R232 15K
R233 15K
SW1
SW2

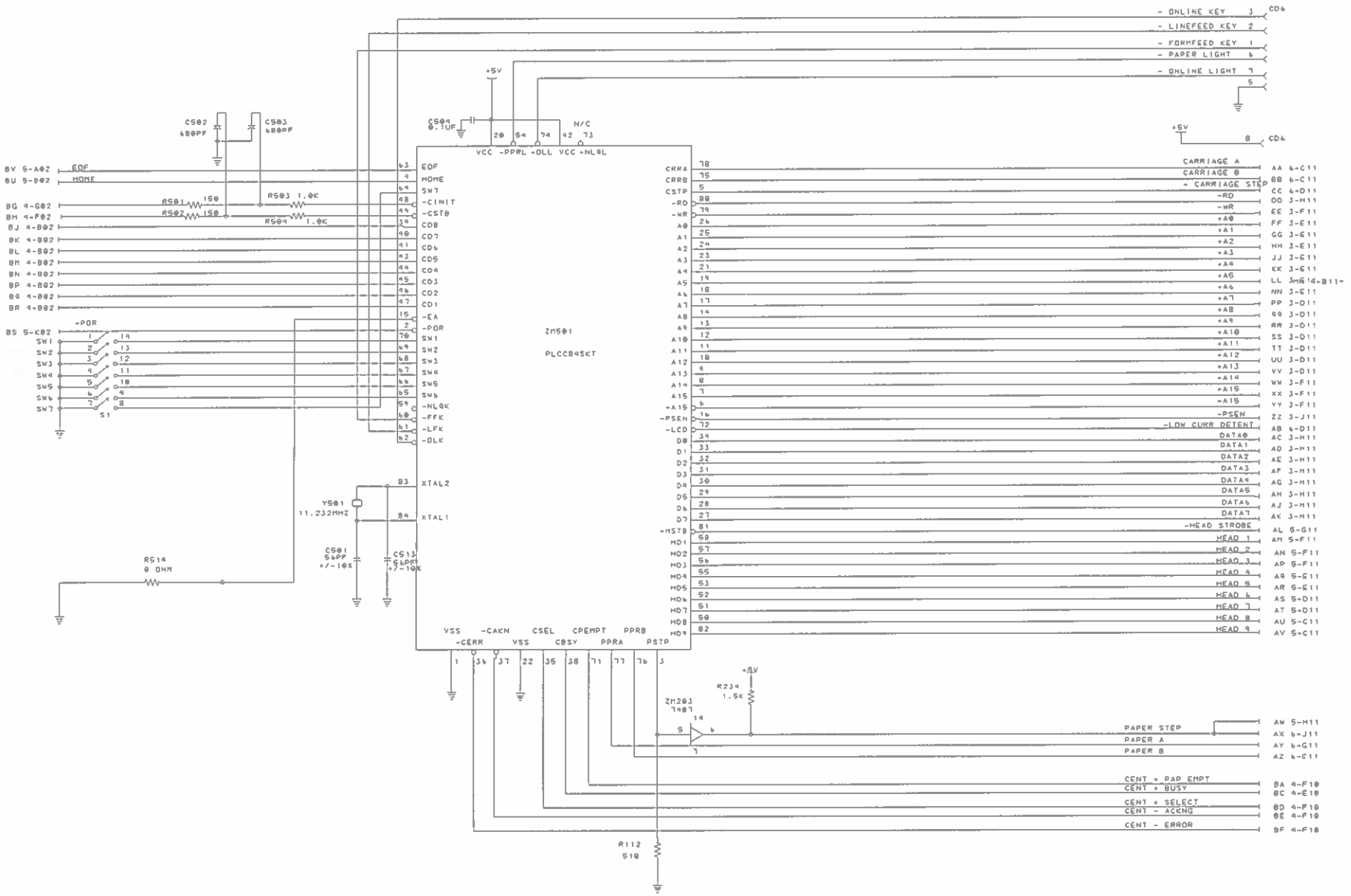
Motor Drivers

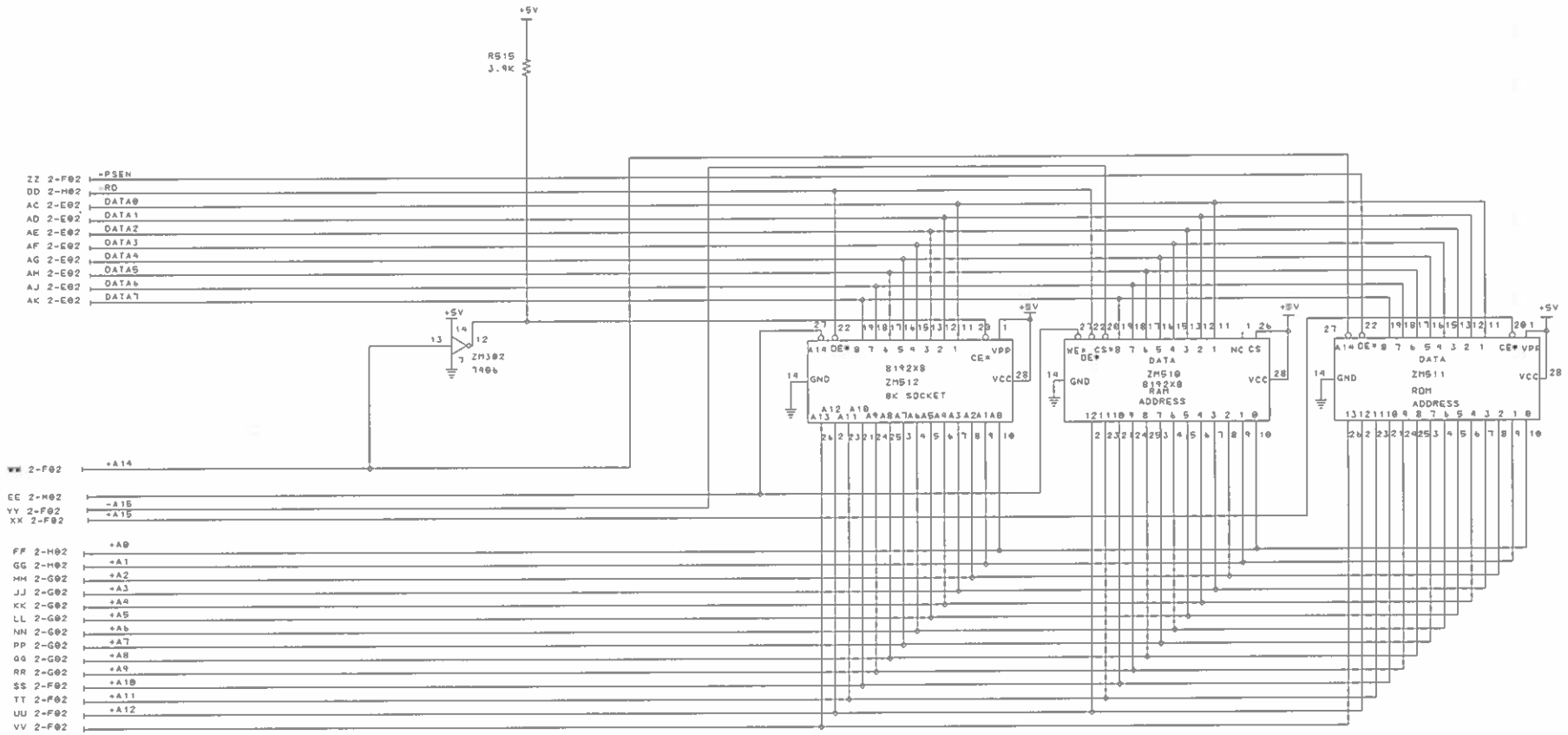


Power Supply

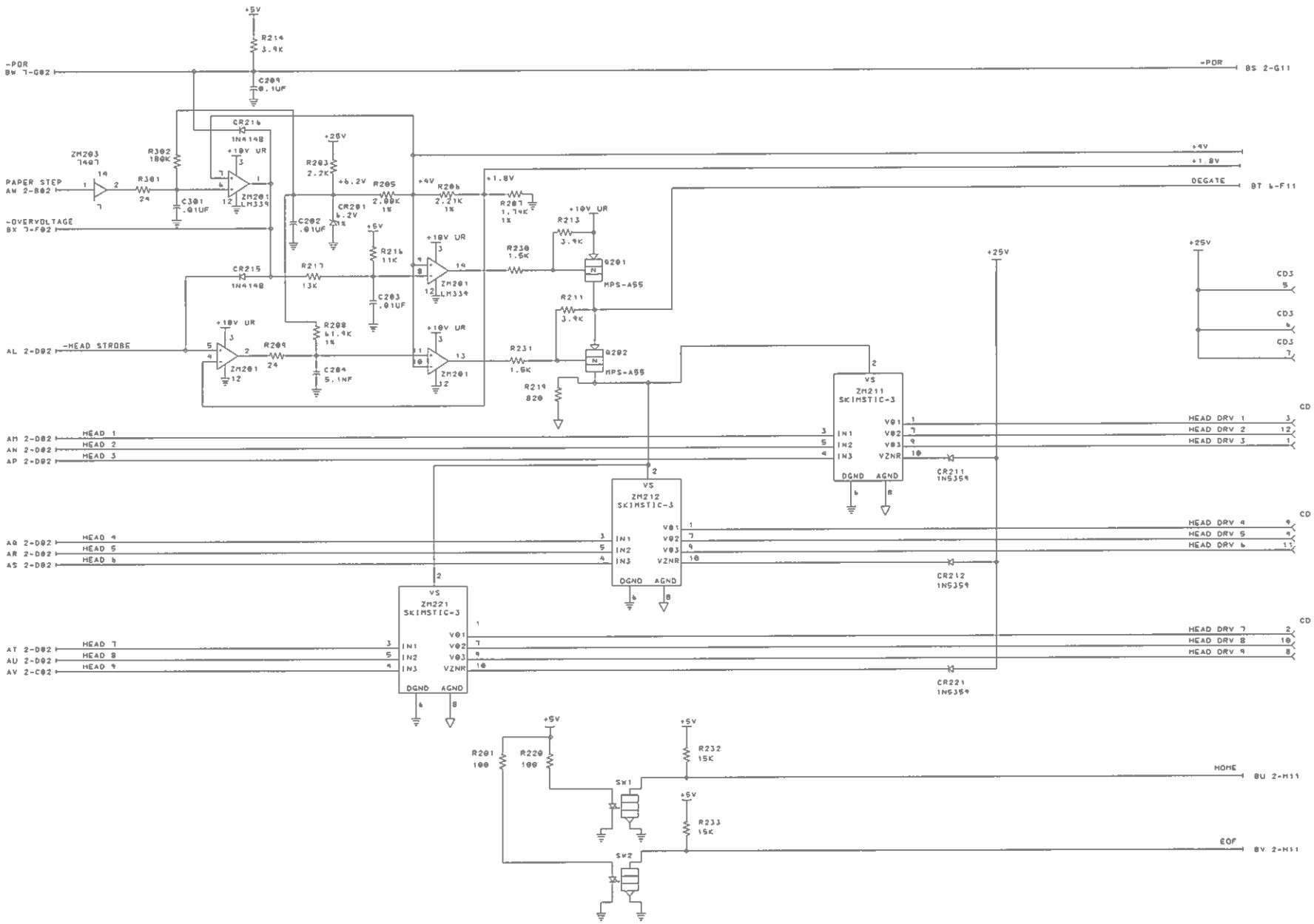


Processor

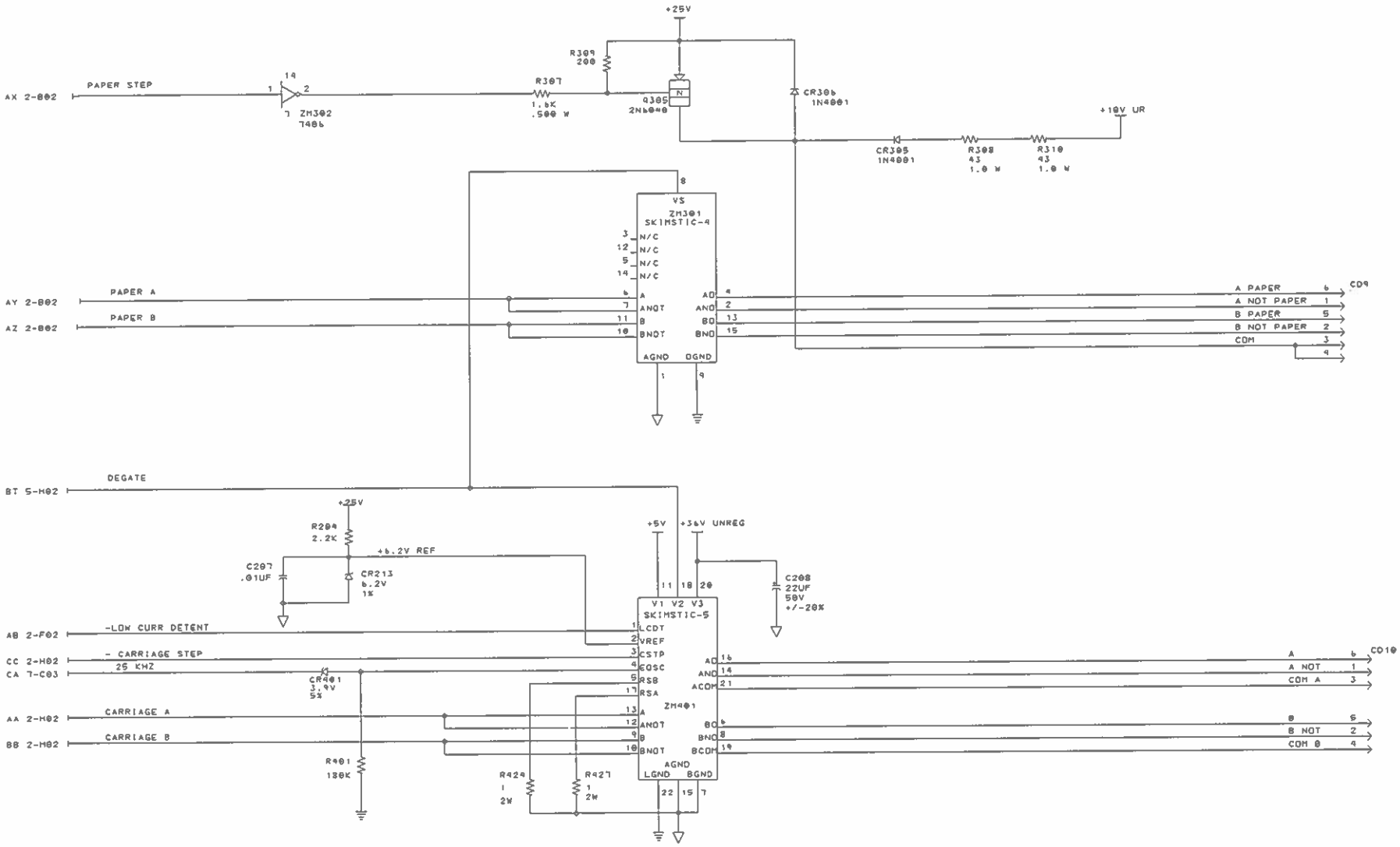

- ONLINE KEY
- LINEFEED KEY
- FORMFEED KEY
- PAPER LIGHT
- ONLINE LIGHT
+5V
C502 680PF
C503 680PF
C504 0.1UF
N/C
VCC -PPRL -DLL VCC +NL0L
EOF
HOME
R501 150
R502 150
R503 1.0K
R504 1.0K
-CINIT
-CSTB
CD8
CD7
CD6
CD5
CD4
CD3
CD2
CD1
-EA
-POR
SW1
SW2
SW3
SW4
SW5
SW6
SW7
-NL0K
-FFK
-LFK
-DLK
S1
ZM501
PLCC84SKT
CRRA
CRRB
CSTP
-RD
-WR
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
-A15
-PSEN
-LCD
D0
D1
D2
D3
D4
D5
D6
D7
-MSTB
MD1
MD2
MD3
MD4
MD5
MD6
MD7
MD8
MD9
XTAL2
XTAL1
YS01 11.232MHZ
C501 56PF +/-10%
C513 56PF +/-10%
R514 0 OHM
VSS -CAKN CSEL CPEMPT PPRB
-CERR VSS CBSY PPRA PSTP
R234 1.5K
ZM203 7407
R112 510
CARRIAGE A
CARRIAGE B
- CARRIAGE STEP
-RD
-WR
+A0
+A1
+A2
+A3
+A4
+A5
+A6
+A7
+A8
+A9
+A10
+A11
+A12
+A13
+A14
+A15
-A15
-PSEN
-LOW CURR DETENT
DATA0
DATA1
DATA2
DATA3
DATA4
DATA5
DATA6
DATA7
-HEAD STROBE
HEAD 1
HEAD 2
HEAD 3
HEAD 4
HEAD 5
HEAD 6
HEAD 7
HEAD 8
HEAD 9
PAPER STEP
PAPER A
PAPER B
CENT + PAP EMPT
CENT + BUSY
CENT + SELECT
CENT - ACKNG
CENT - ERROR

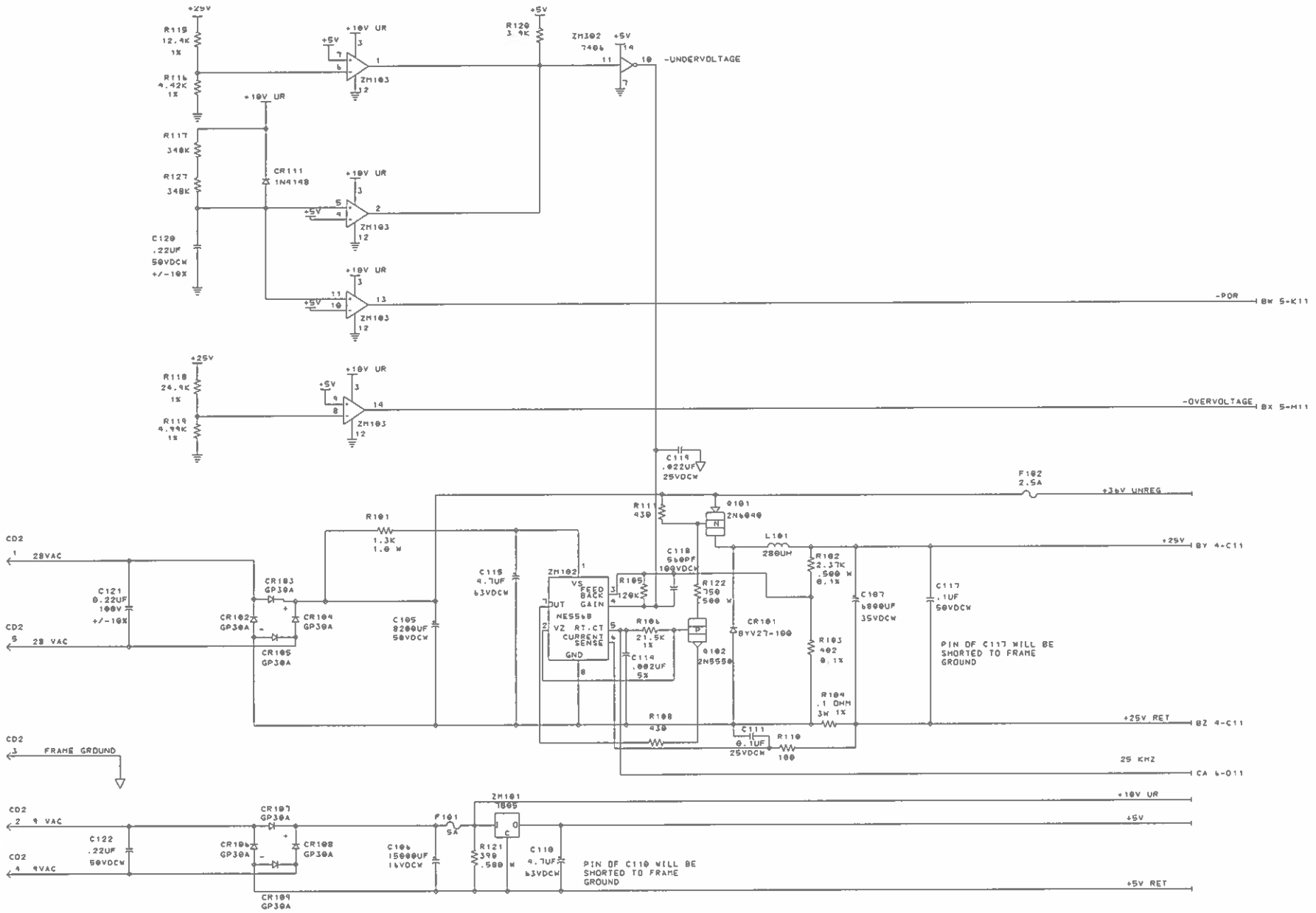


NOTE SEE BILL OF MATERIALS FOR DECOUPLING CAPACITOR VALUES. NOT ALL CAPACITORS SHOWN WILL BE USED.

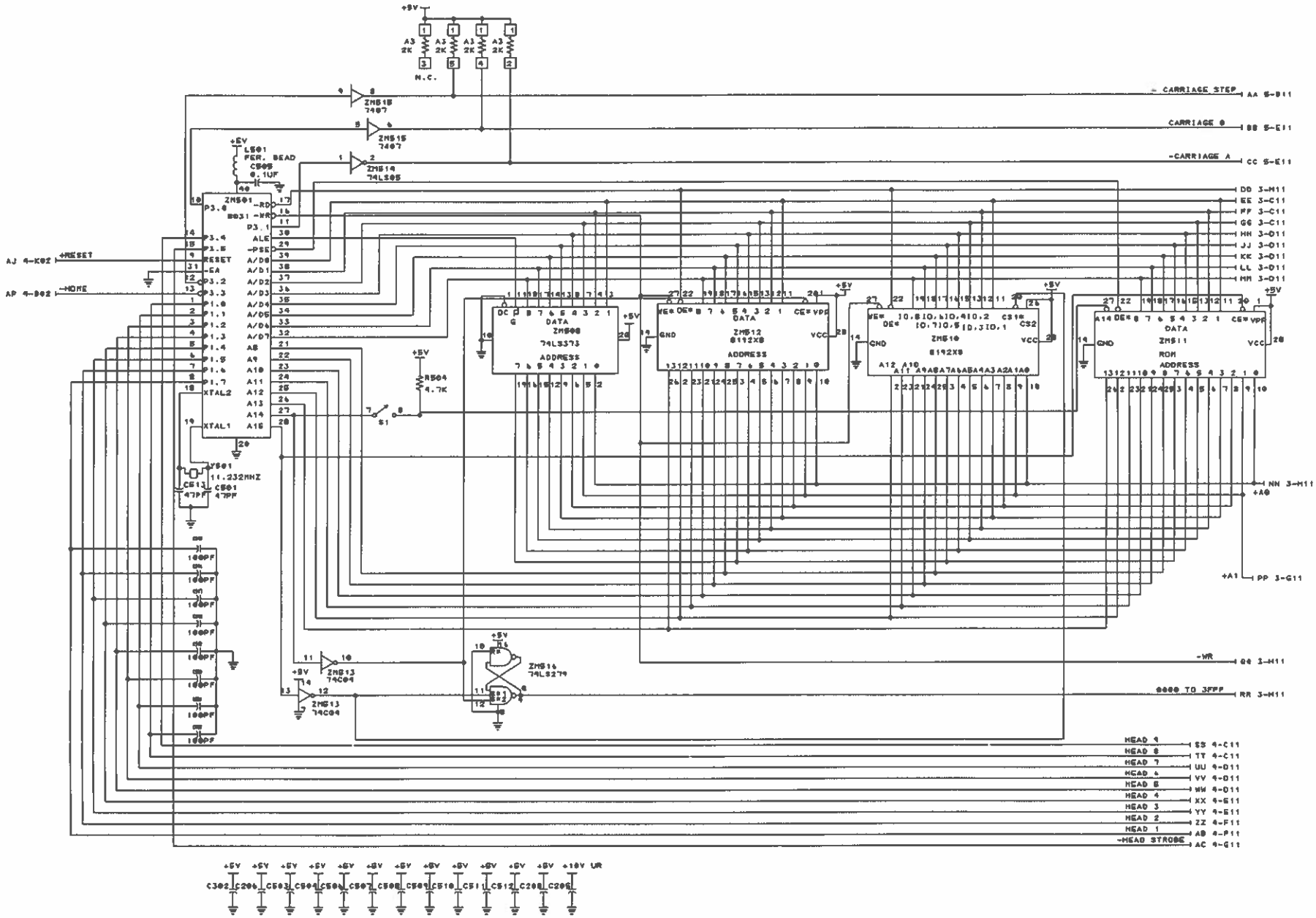

-POR
PAPER STEP
-OVERVOLTAGE
-HEAD STROBE
HEAD 1
HEAD 2
HEAD 3
HEAD 4
HEAD 5
HEAD 6
HEAD 7
HEAD 8
HEAD 9
HEAD DRV 1
HEAD DRV 2
HEAD DRV 3
HEAD DRV 4
HEAD DRV 5
HEAD DRV 6
HEAD DRV 7
HEAD DRV 8
HEAD DRV 9
DEGATE
HOME
EOF
+5V
+25V
+10V UR
+4V
+1.8V
+6.2V
ZM201 LM339
ZM211 SKIMSTIC-3
ZM212 SKIMSTIC-3
ZM221 SKIMSTIC-3
MPS-A55
1N4148
1N5359
R214 3.9K
C209 .1UF
R202 180K
R301 24
C301 .01UF
R203 2.2K
R205 2.00K 1%
R206 2.21K 1%
R207 1.74K 1%
C202 .01UF
CR201 6.2V
R213 3.9K
R216 11K
R217 13K
C203 .01UF
R230 1.5K
Q201
R211 3.9K
R208 41.9K 1%
R209 24
C204 5.1NF
R231 1.5K
Q202
R219 820
R201 100
R220 100
R232 15K
R233 15K
SW1
SW2
CR211
CR212
CR221
CD3

Motor Drivers

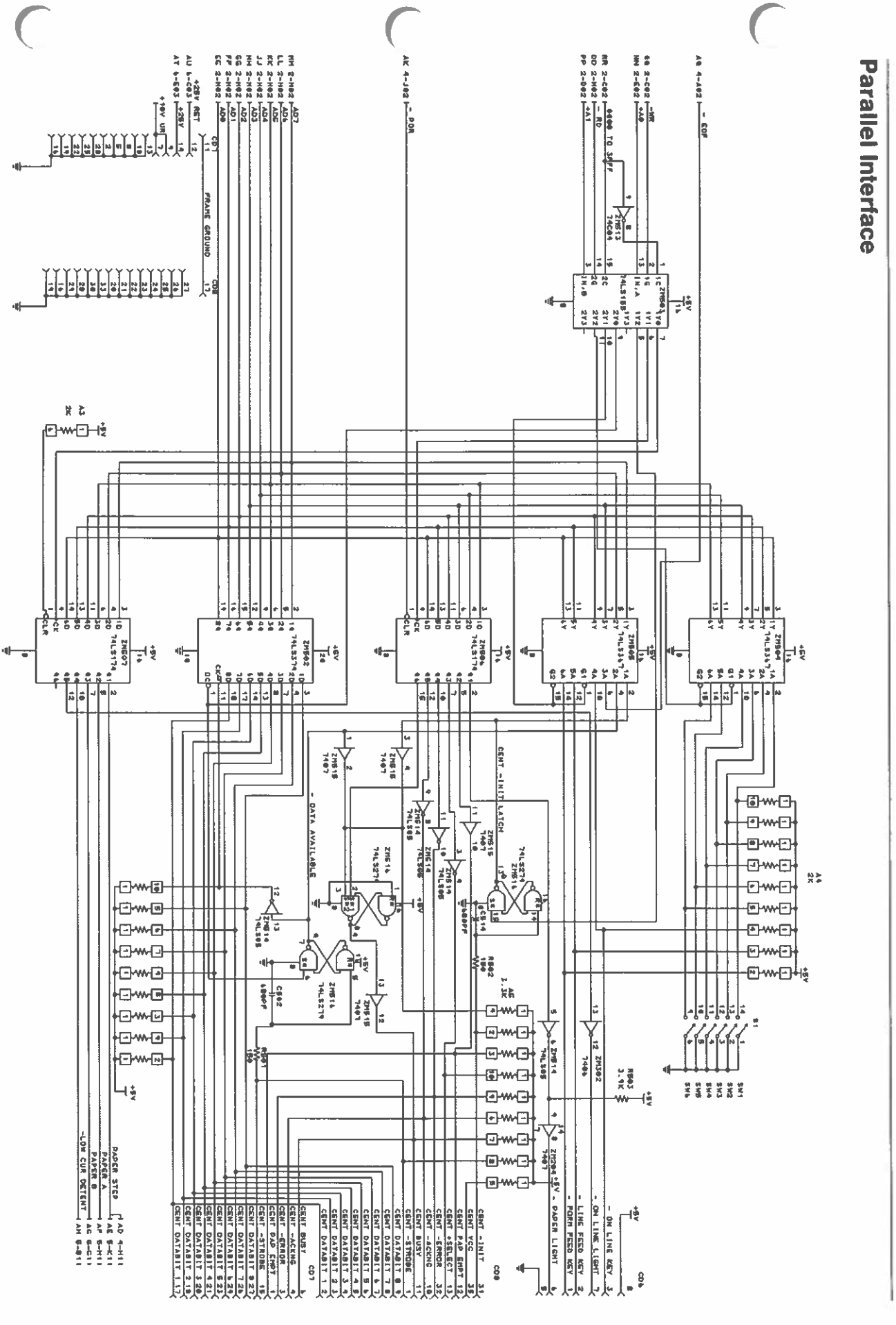


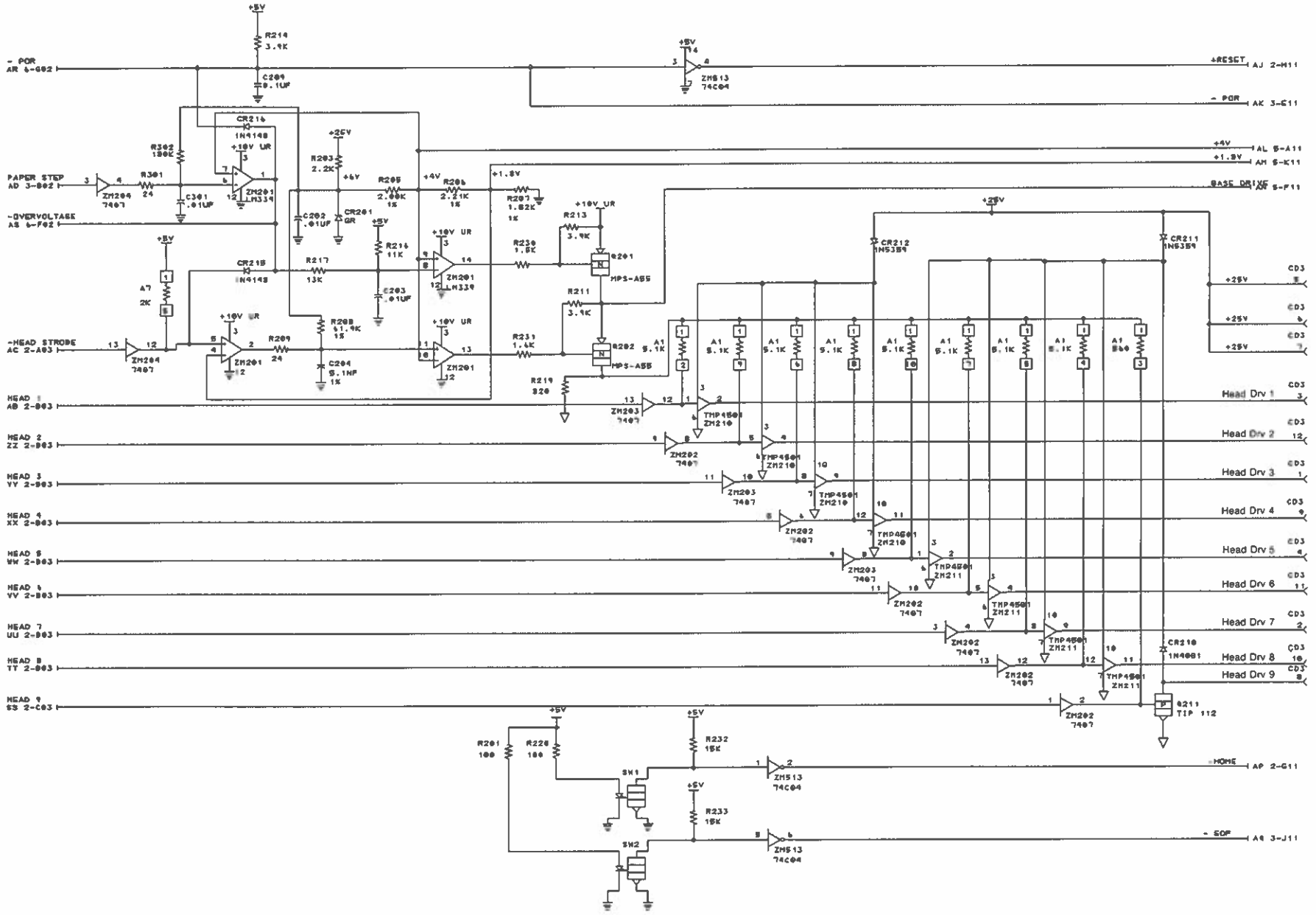

+25V
R115 12.4K 1%
R116 4.42K 1%
+10V UR
+5V
ZM103
ZM102 7406
R120 3.9K
-UNDERVOLTAGE
R117 348K
R127 348K
CR111 1N4148
C120 .22UF 50VDCW +/-10%
-POR
8W 5-K11
R118 24.9K 1%
R119 4.99K 1%
-OVERVOLTAGE
8X 5-M11
C119 .022UF 25VDCW
F102 2.5A
+36V UNREG
R111 430
Q101 2N6040
L101 280UH
+25V
8Y 4-C11
R101 1.3K 1.0 W
CD2
28VAC
C121 0.22UF 100V +/-10%
CR103 GP30A
CR102 GP30A
CR104 GP30A
CR105 GP30A
C105 8200UF 50VDCW
C115 4.7UF 63VDCW
ZM102
VS FEED BACK GAIN
OUT
NE5568
VZ RT.CT CURRENT SENSE
GND
R105 120K
C118 560PF 100VDCW
R122 750 7500 W
R106 21.5K 1%
C114 .002UF 5%
Q102 2N5550
CR101 8YV27-100
R102 2.37K .500 W 0.1%
R103 402 0.1%
C107 6800UF 35VDCW
C117 .1UF 50VDCW
PIN OF C117 WILL BE SHORTED TO FRAME GROUND
R104 .1 OHM 3W 1%
R108 430
C111 0.1UF 25VDCW
R110 100
+25V RET
8Z 4-C11
25 KHZ
CA 4-D11
FRAME GROUND
C122 .22UF 50VDCW
CR107 GP30A
CR106 GP30A
CR108 GP30A
CR109 GP30A
C106 15000UF 16VDCW
F101 5A
ZM101 7805
R121 390 .500 W
C110 4.7UF 63VDCW
PIN OF C110 WILL BE SHORTED TO FRAME GROUND
+10V UR
+5V
+5V RET

Processor and Memory

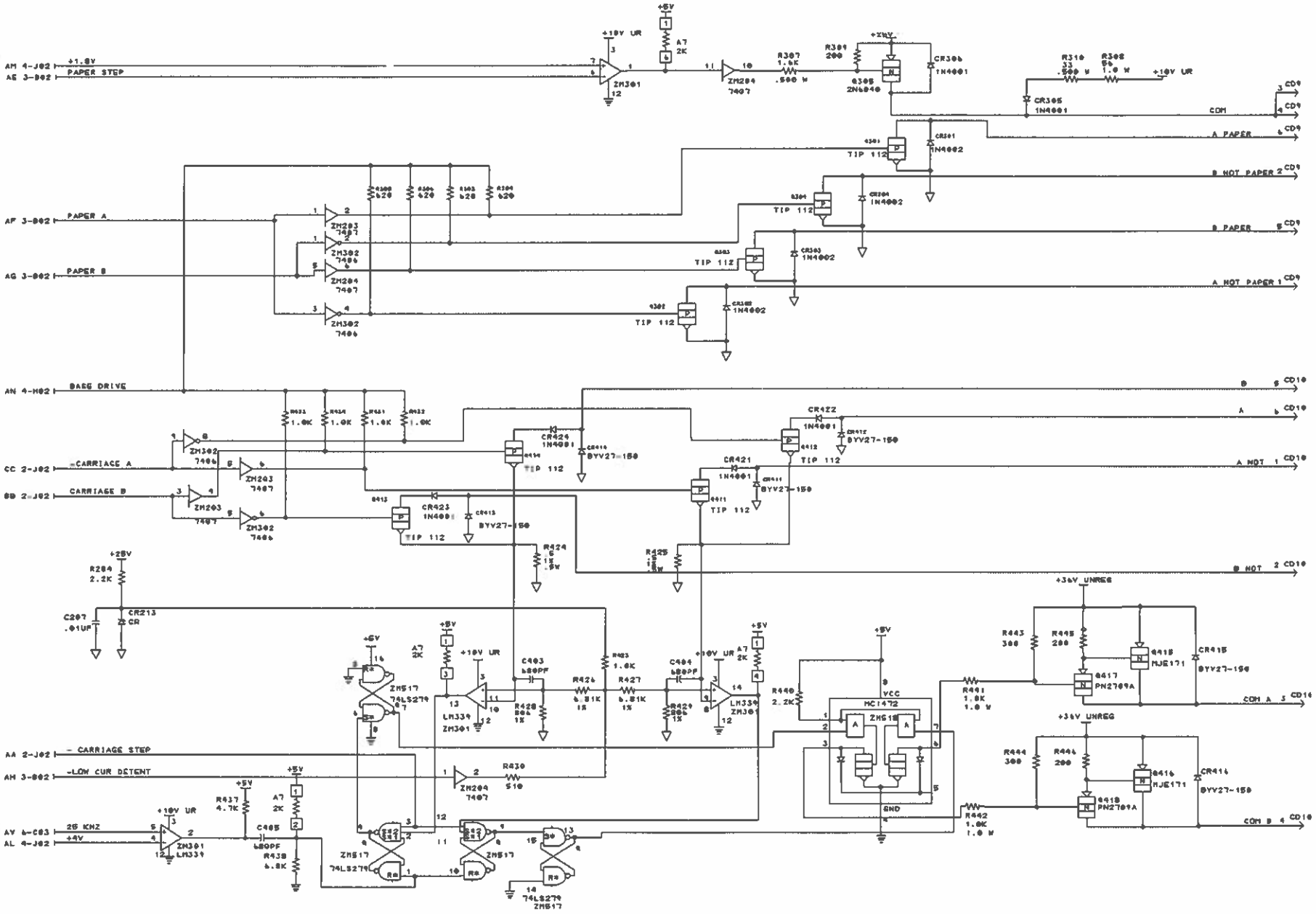


Parallel Interface

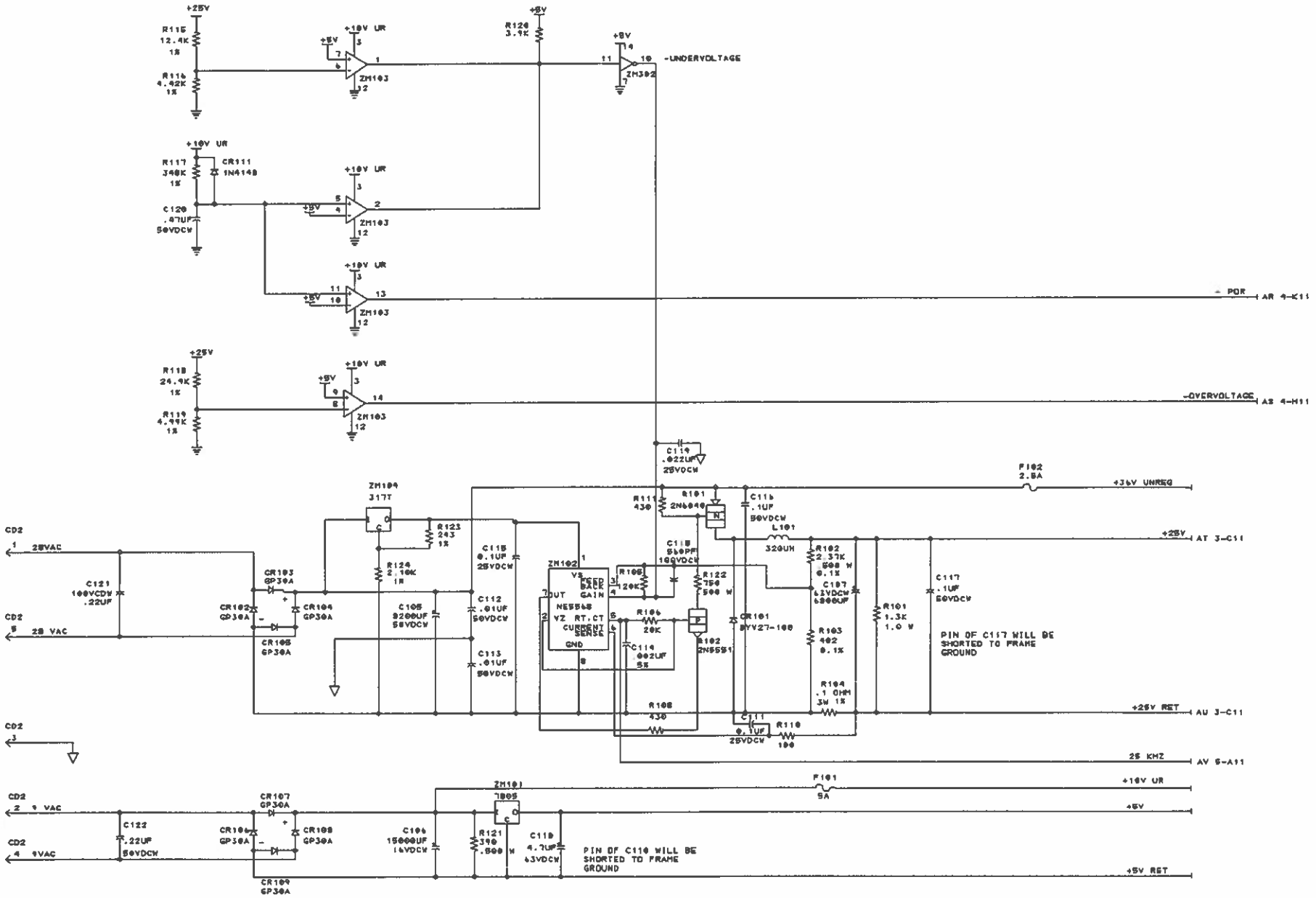


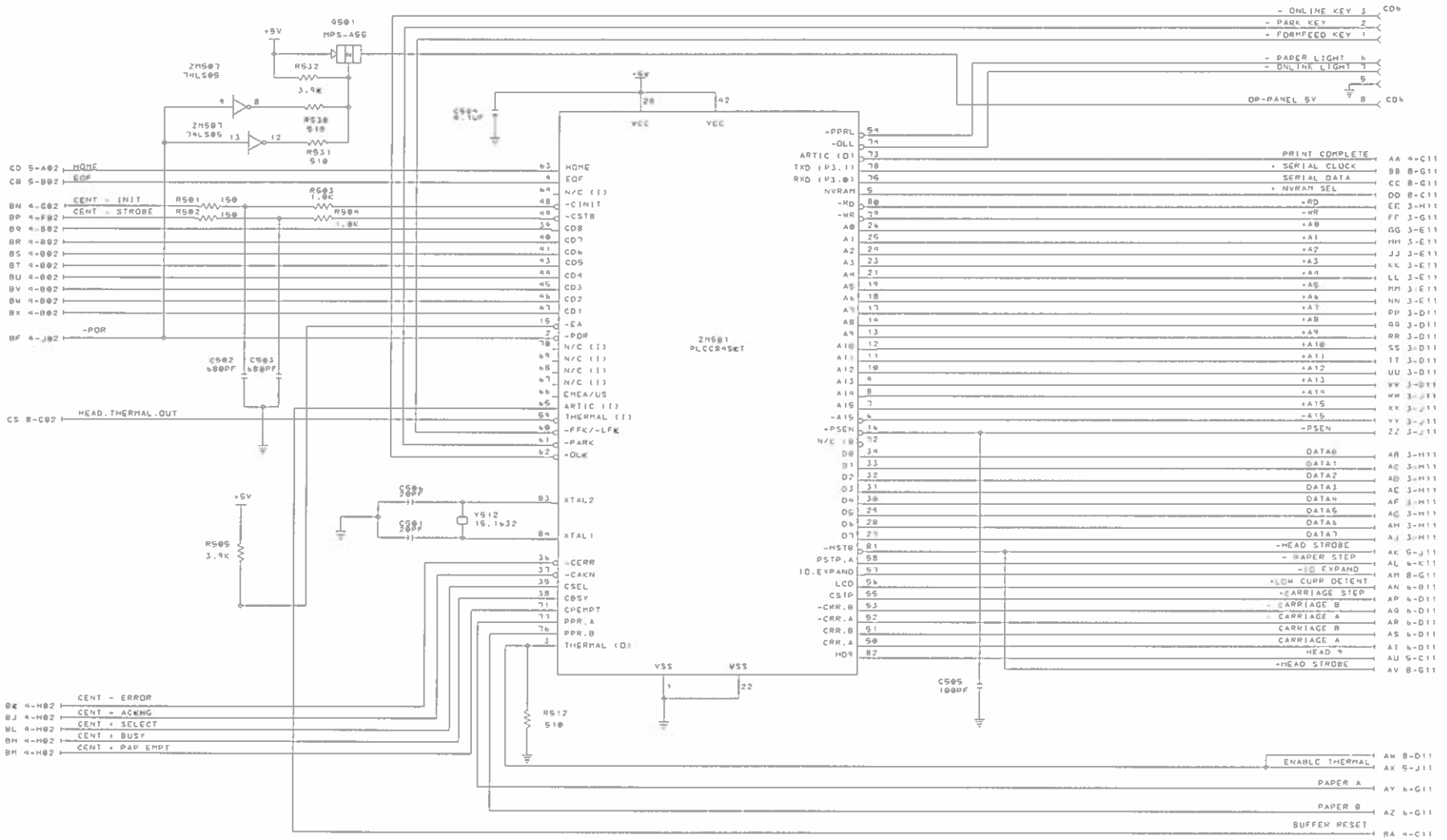

+5V
R214 3.9K
- POR
AR 6-G02
C204 .1UF
CR214 1N4148
+10V UR
R302 100K
R301 24
PAPER STEP
AD 3-B02
ZM204 7407
C301 .01UF
ZM201 LM339
+25V
R203 2.2K
+4V
R205 2.49K 1%
R206 2.21K 1%
+1.8V
R207 1.82K 1%
C202 .01UF
CR201 GR
R216 11K
-OVERVOLTAGE
AS 6-F02
CR215 1N4148
R217 13K
C203 .01UF
R213 3.9K
R239 1.5K
Q201 MPS-A55
R211 3.1K
A7 2K
R208 51.1K 1%
-HEAD STROBE
AC 2-A03
R209 24
C204 5.1NF 1%
R219 820
Q202 MPS-A55
A1 5.1K
TMP4501 ZM210
TMP4501 ZM211
ZM202 7407
ZM203 7407
ZM213 74C04
CR212 1N5359
CR211 1N5359
CR210 1N4001
Q211 TIP 112
+RESET
AJ 2-H11
- POR
AK 3-G11
+4V
AL 6-A11
+1.8V
AM 6-K11
BASE DRIVE
AF 6-F11
+25V
CD3
Head Drv 1
Head Drv 2
Head Drv 3
Head Drv 4
Head Drv 5
Head Drv 6
Head Drv 7
Head Drv 8
Head Drv 9
HEAD 1
AB 2-B03
HEAD 2
ZZ 2-B03
HEAD 3
YY 2-B03
HEAD 4
XX 2-B03
HEAD 5
WW 2-B03
HEAD 6
VV 2-B03
HEAD 7
UU 2-B03
HEAD 8
TT 2-B03
HEAD 9
SS 2-C03
R201 100
R228 100
R232 15K
R233 15K
SW1
SW2
-HOME
AP 2-G11
- SOF
AQ 3-J11

Motor Drivers

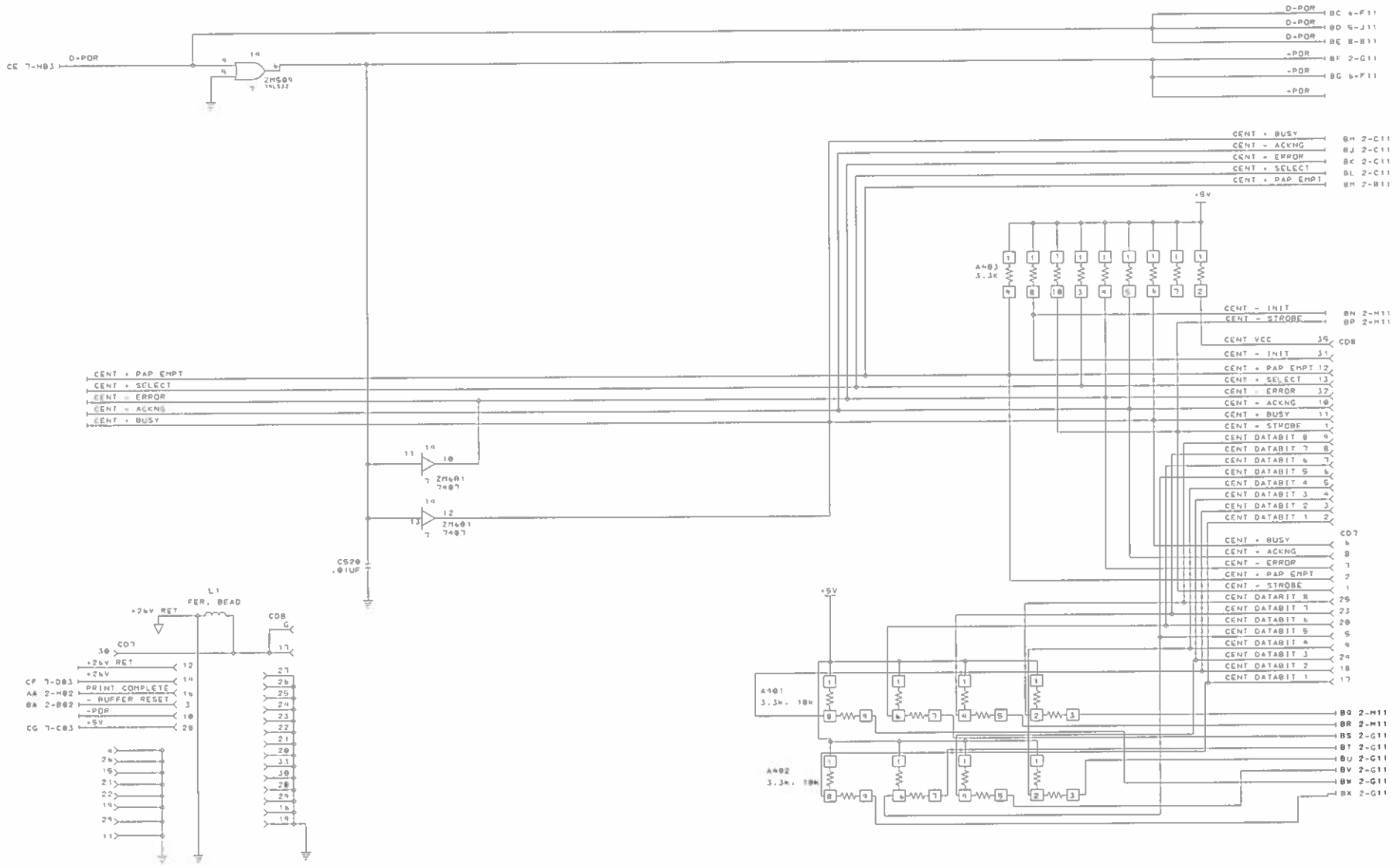


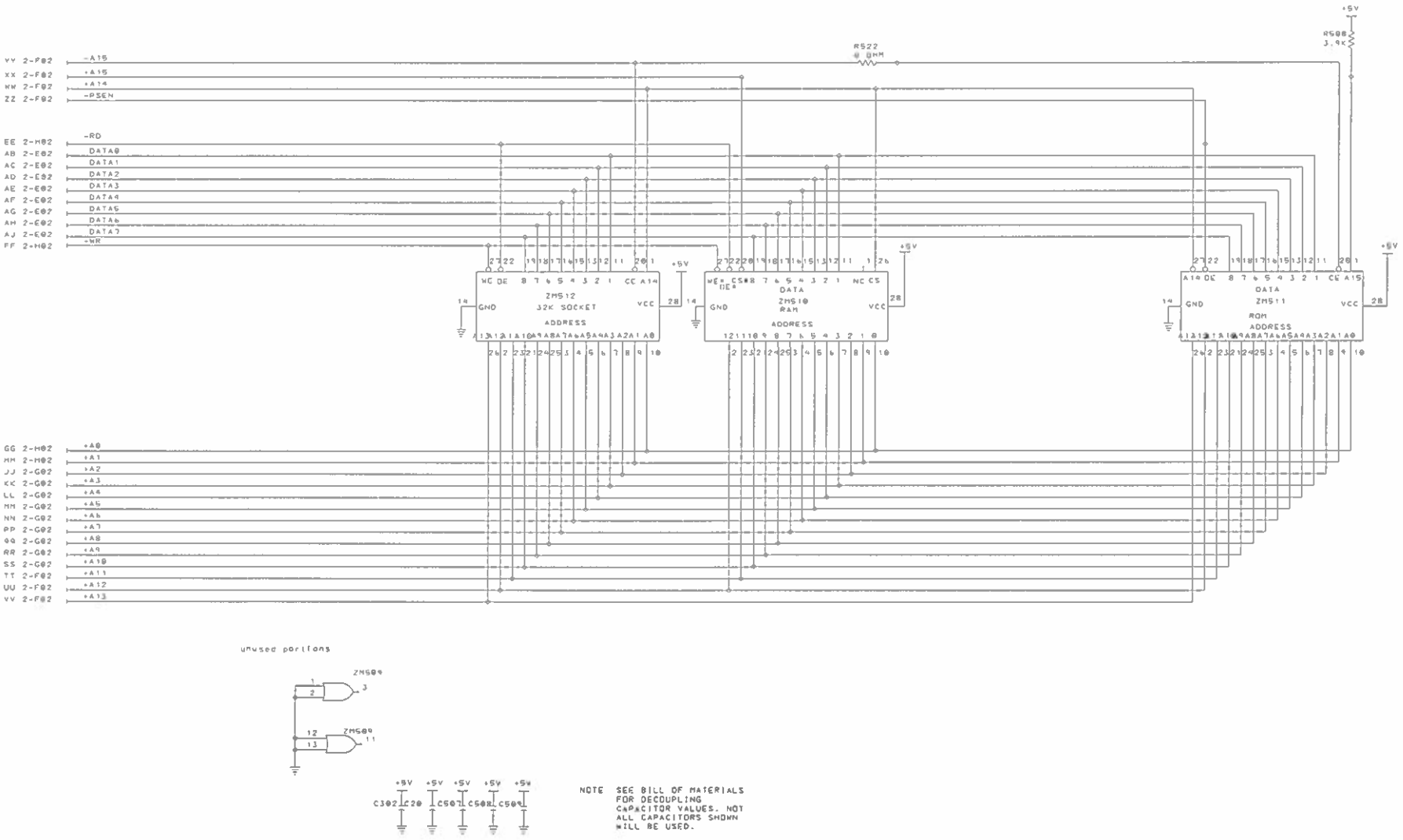
Power Supply



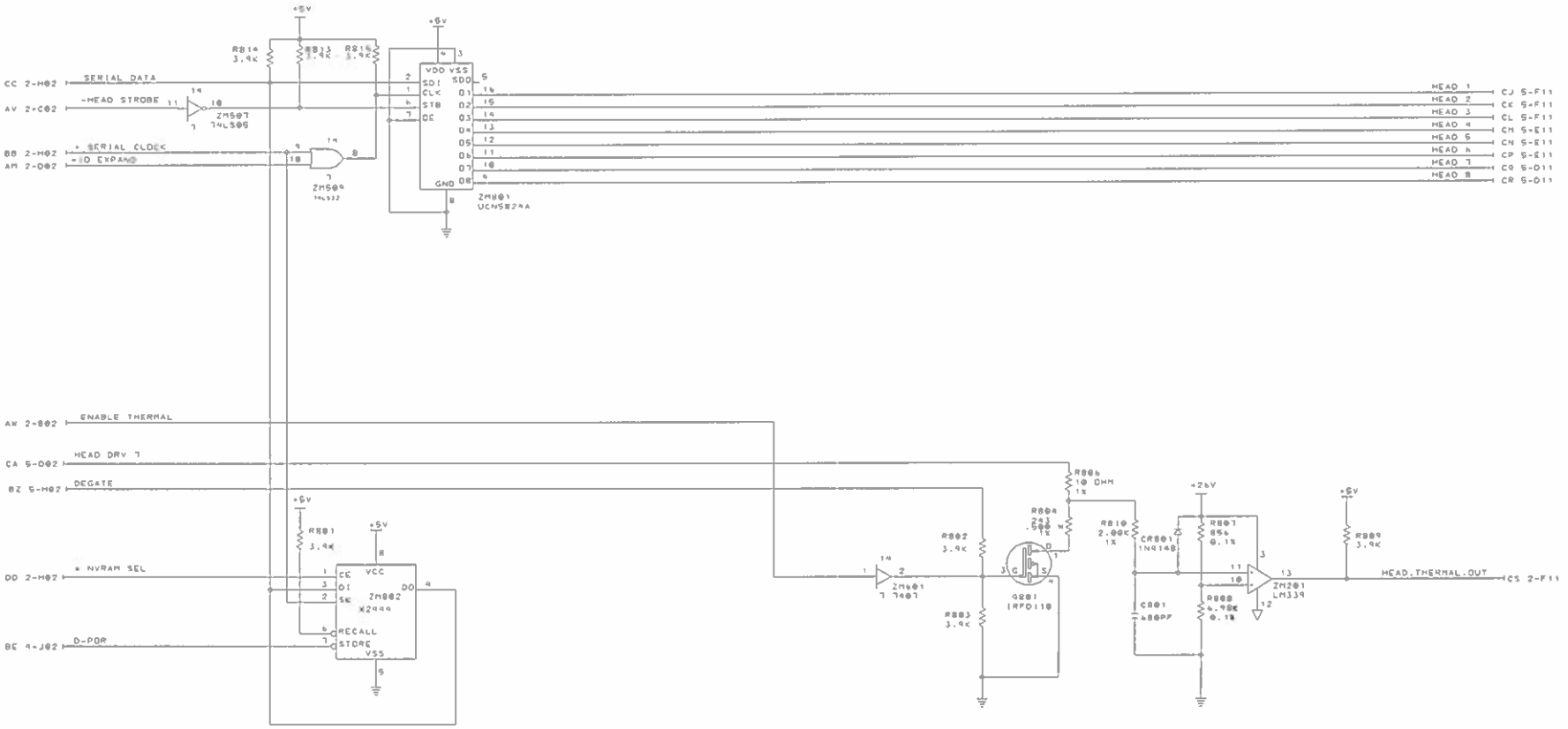

Q501
MPS-A56
+5V
R532
3.9K
ZN587
74LS05
R530
510
R531
510
C504
0.1uF
ZN6801
PLCC84SET
VCC
VSS
HOME
EOF
-CINIT
-CSTB
CD8
CD7
CD6
CD5
CD4
CD3
CD2
CD1
-EA
-POR
EMEA/US
ARTIC (I)
THERMAL (I)
-FFK/-LFK
-PARK
+OLK
XTAL2
XTAL1
-CERR
-CAKN
CSEL
CBSY
CPEMPT
PPR.A
PPR.B
THERMAL (O)
-PPRL
-OLL
ARTIC (O)
TXD (P3.1)
RXD (P3.0)
NVRAM
-RD
-WR
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
-A15
+PSEN
D0
D1
D2
D3
D4
D5
D6
D7
-MSTB
PSTP.A
10.EXPAND
LCD
CSTP
-CRR.B
-CRR.A
CRR.B
CRR.A
HD9
R501 150
R502 150
R503 1.8K
R504 1.8K
C502 680PF
C503 680PF
C501 20PF
C506 20PF
Y512 15.1432
R505 3.9K
R512 510
C505 100PF
CD 5-A02 HOME
CB 5-B02 EOF
BN 4-G02 CENT - INIT
BP 4-F02 CENT - STROBE
CS 8-C02 HEAD.THERMAL.OUT
BF 4-J02 -POR
BK 4-H02 CENT - ERROR
BJ 4-H02 CENT - ACKNG
BL 4-H02 CENT + SELECT
BH 4-H02 CENT + BUSY
BM 4-H02 CENT + PAP EMPT
- ONLINE KEY
- PARK KEY
+ FORMFEED KEY
- PAPER LIGHT
- ONLINE LIGHT
OP-PANEL 5V
CD6
PRINT COMPLETE
+ SERIAL CLOCK
SERIAL DATA
+ NVRAM SEL
+RD
-WR
+A0
+A1
+A2
+A3
+A4
+A5
+A6
+A7
+A8
+A9
+A10
+A11
+A12
+A13
+A14
+A15
-A15
-PSEN
DATA0
DATA1
DATA2
DATA3
DATA4
DATA5
DATA6
DATA7
-HEAD STROBE
- PAPER STEP
-10 EXPAND
+LOW CURR DETENT
+CARRIAGE STEP
- CARRIAGE B
- CARRIAGE A
CARRIAGE B
CARRIAGE A
HEAD 9
+HEAD STROBE
ENABLE THERMAL
PAPER A
PAPER B
BUFFER RESET

Parallel Interface



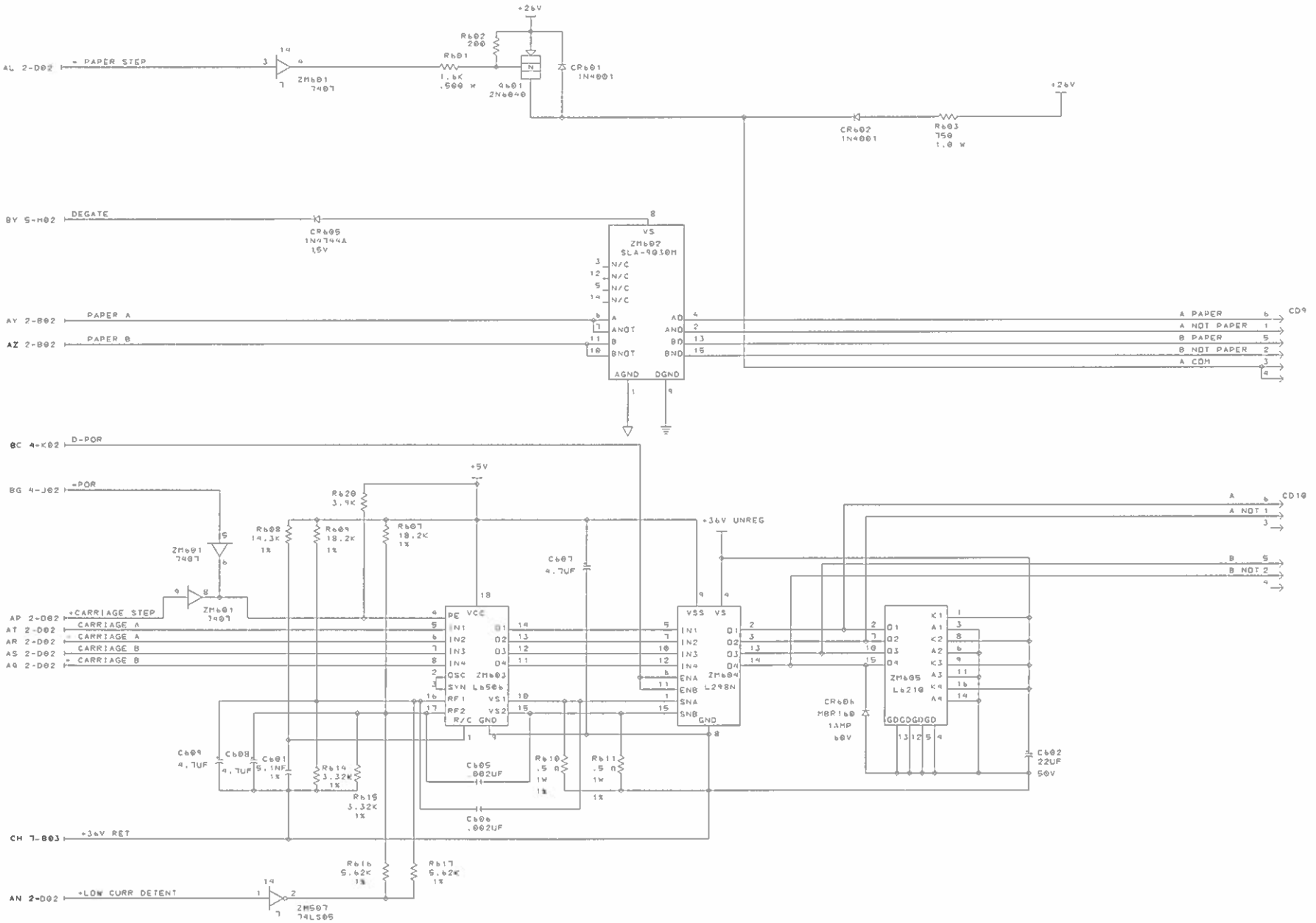

R522
0 OHM
+5V
R508
3.9K
-A15
+A15
+A14
-PSEN
-RD
DATA0
DATA1
DATA2
DATA3
DATA4
DATA5
DATA6
DATA7
-WR
+A0
+A1
+A2
+A3
+A4
+A5
+A6
+A7
+A8
+A9
+A10
+A11
+A12
+A13
ZMS12
32K SOCKET
ADDRESS
GND
VCC
ZMS10
RAM
DATA
ADDRESS
ZMS11
ROM
DATA
ADDRESS
unused portions
ZMS09
C302
C20
C507
C508
C509
C510
NOTE SEE BILL OF MATERIALS FOR DECOUPLING CAPACITOR VALUES. NOT ALL CAPACITORS SHOWN WILL BE USED.

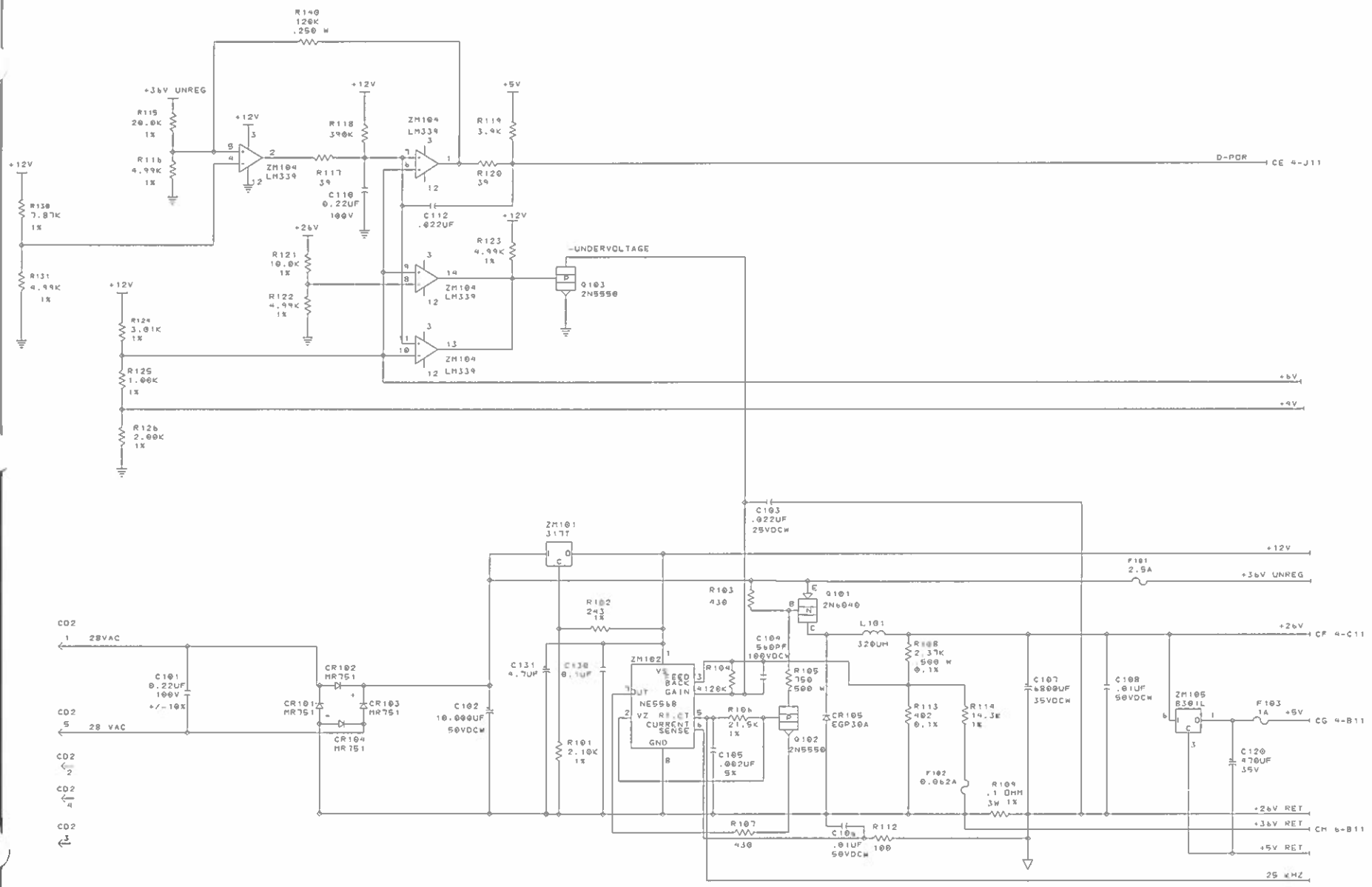
Print Driver (Part 2)



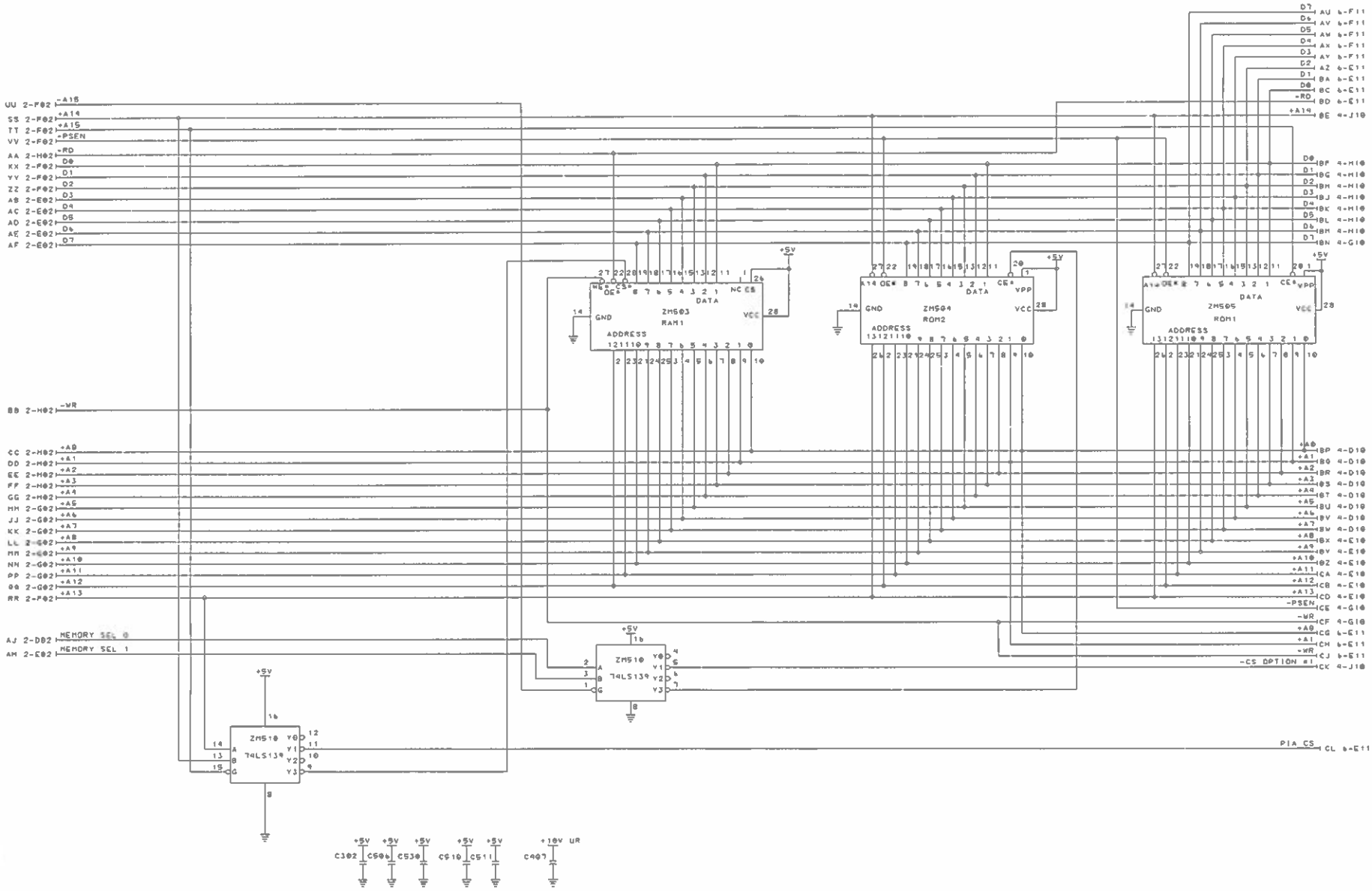
Print Driver (Part 2)

Motor Drivers

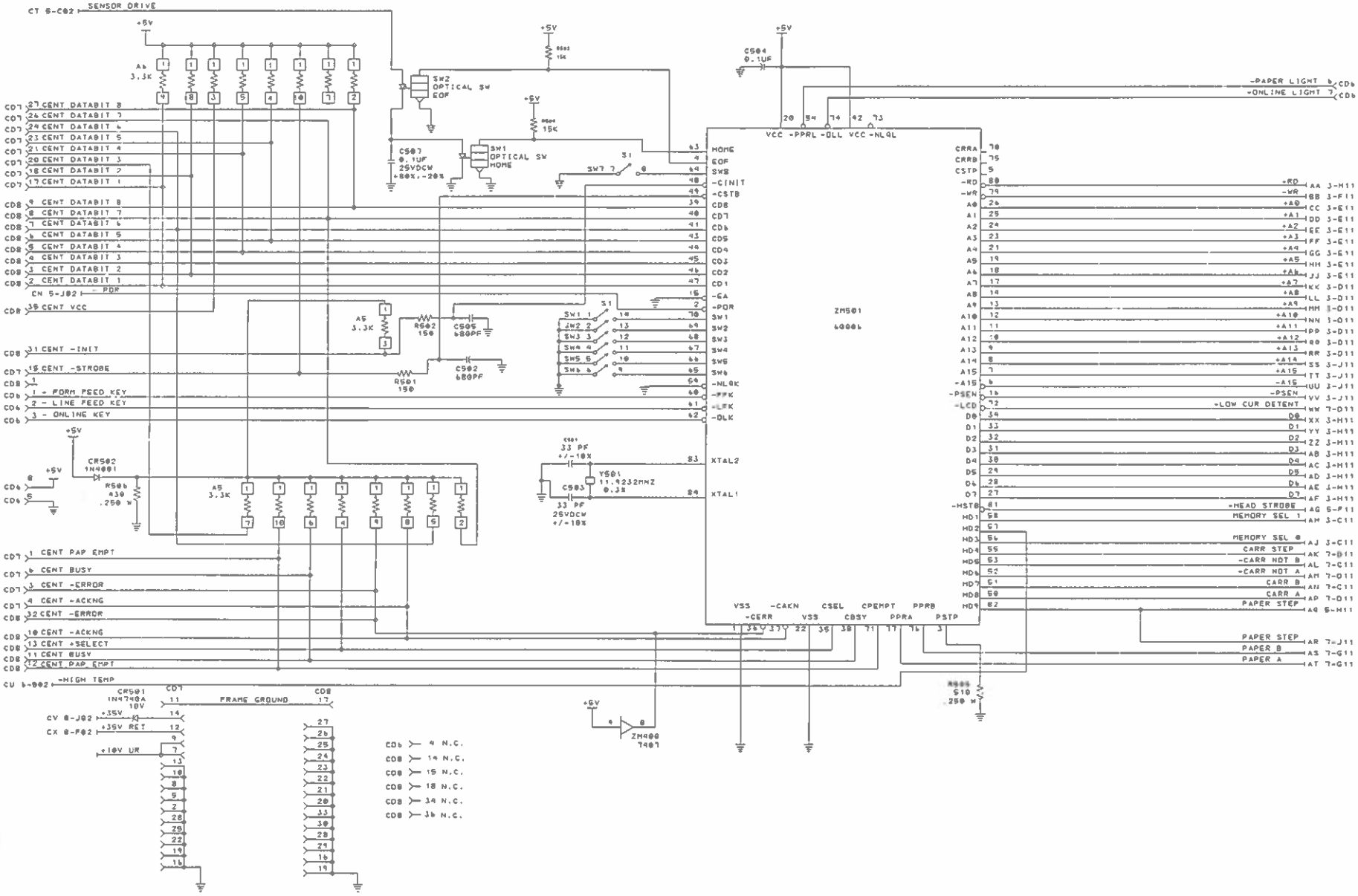



R140 120K .250 W
+36V UNREG
R115 20.0K 1%
R116 4.99K 1%
+12V
ZM104 LM339
R118 390K
R117 39
C110 0.22UF 100V
C112 .022UF
R119 3.9K
R120 39
+5V
D-POR
CE 4-J11
R130 7.87K 1%
R131 4.99K 1%
+26V
R121 10.0K 1%
R122 4.99K 1%
R123 4.99K 1%
-UNDERVOLTAGE
Q103 2N5550
R124 3.01K 1%
R125 1.00K 1%
R126 2.00K 1%
+6V
+9V
C103 .022UF 25VDCW
ZM101 3177
F101 2.5A
R102 243 1%
R103 430
Q101 2N6040
L101 320UH
C104 560PF 100VDCW
R108 2.37K .500 W 0.1%
CF 4-C11
CD2
28VAC
28 VAC
C101 0.22UF 100V +/-10%
CR102 MR751
CR101 MR751
CR103 MR751
CR104 MR751
C102 10,000UF 50VDCW
C131 4.7UF
C130 0.1UF
ZM102
NE5568
VZ
FEED BACK GAIN
CURRENT SENSE
GND
R104 4.12K
R105 750 500 W
R106 21.5K 1%
C105 .002UF 5%
Q102 2N5550
CR105 EGP30A
R101 2.10K 1%
R113 402 0.1%
R114 14.3K 1%
C107 6800UF 35VDCW
C108 .01UF 50VDCW
ZM105 8301L
F103 1A
+5V
CG 4-B11
C120 470UF 35V
F102 0.062A
R109 .1 OHM 3W 1%
+26V RET
+36V RET
CM 6-B11
+5V RET
R107 430
C106 .01UF 50VDCW
R112 100
25 KHZ

Memory (All Versions)

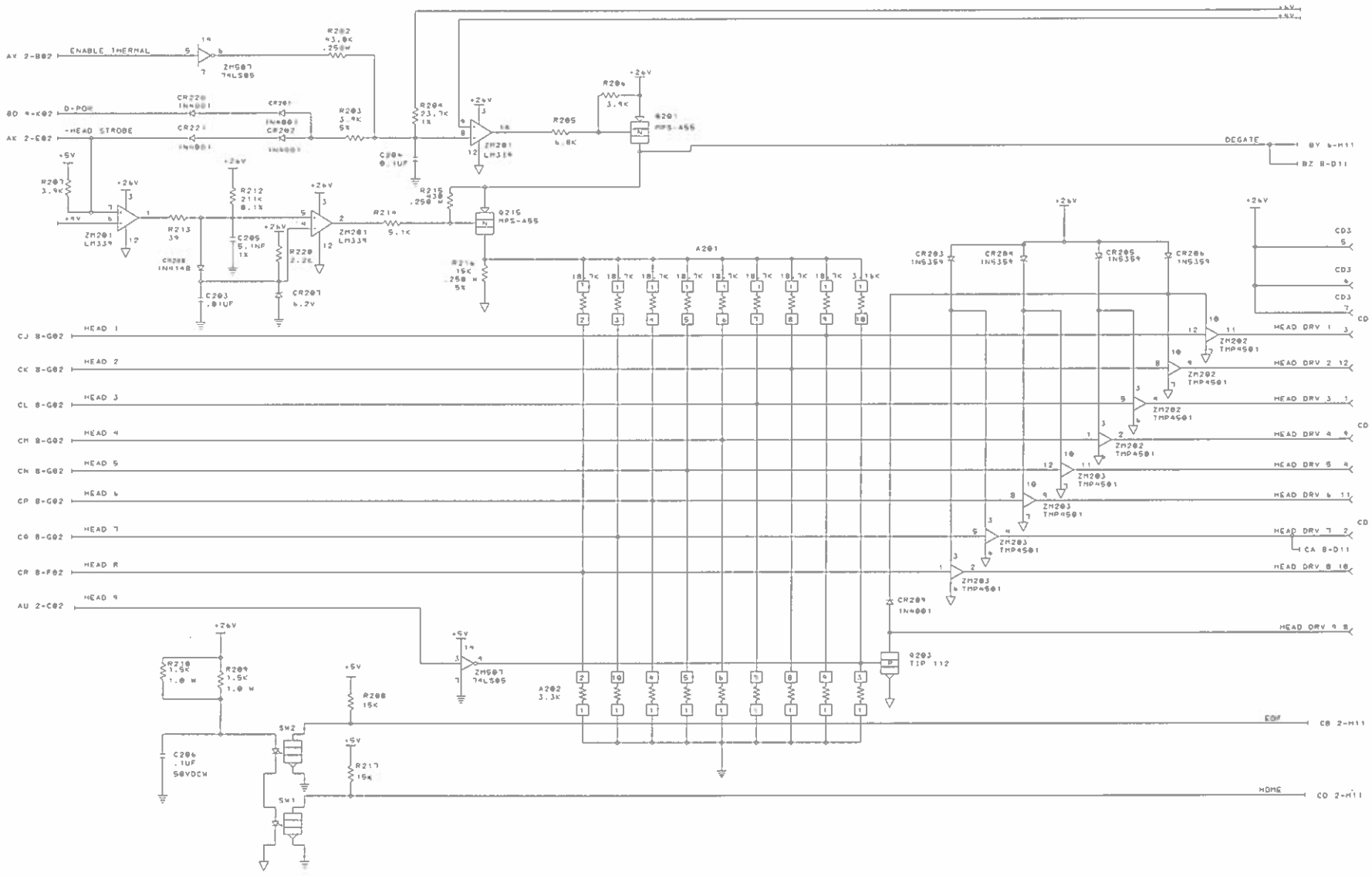


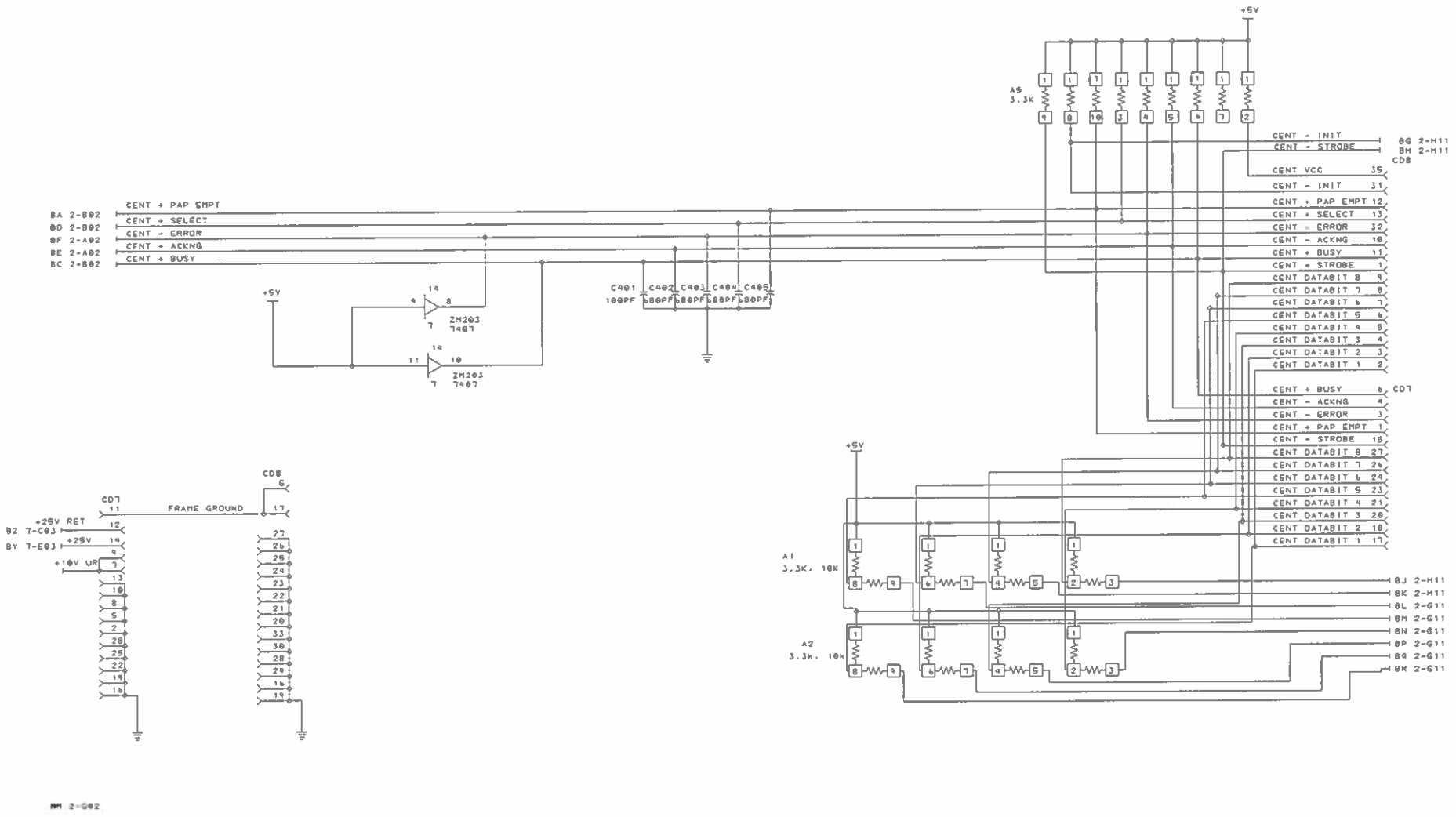
Microprocessor and Parallel Interface (Versions 1 and 2)



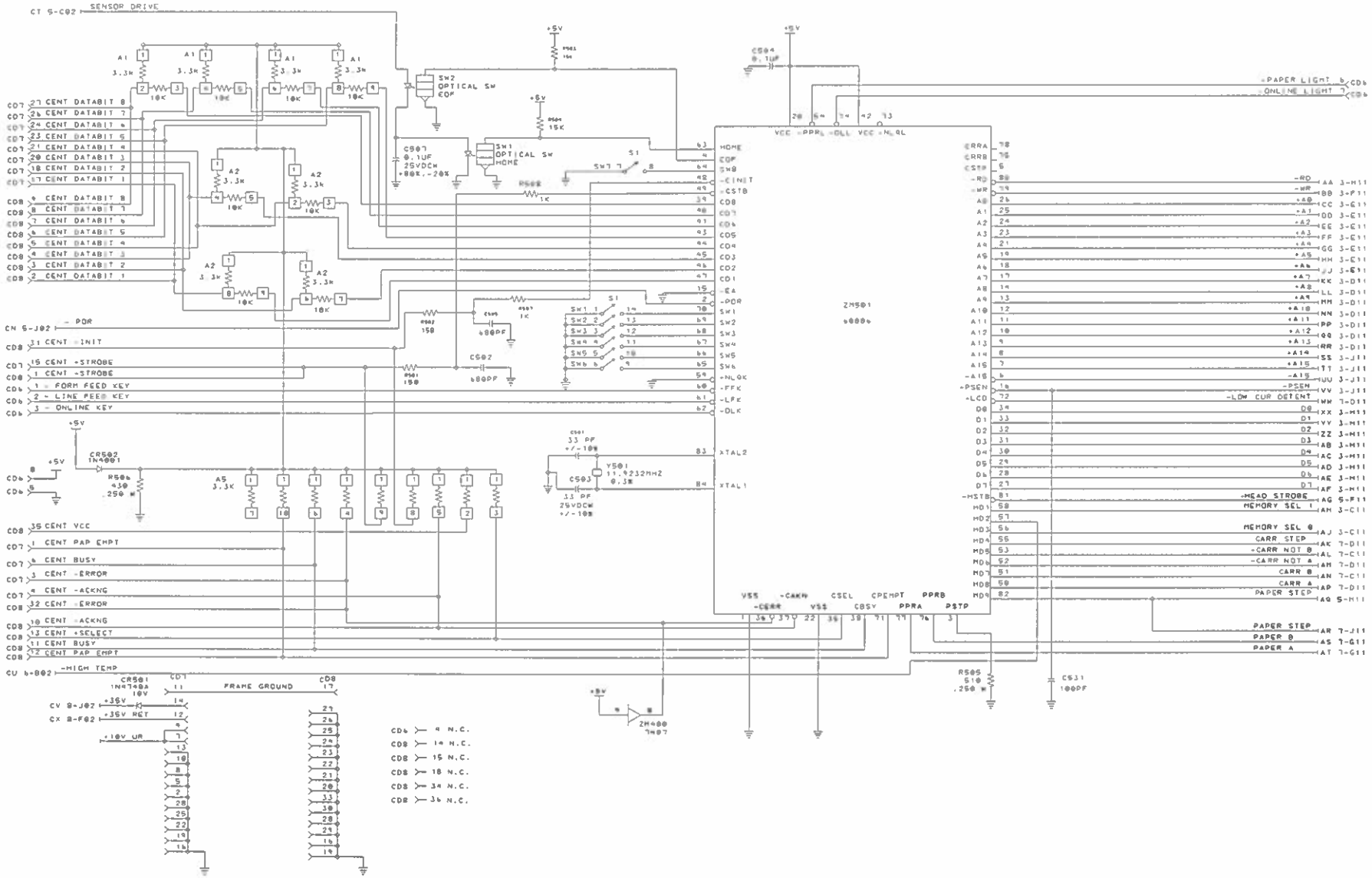
Microprocessor and Parallel Interface (Versions 1 and 2)

Print Driver (Part 1)

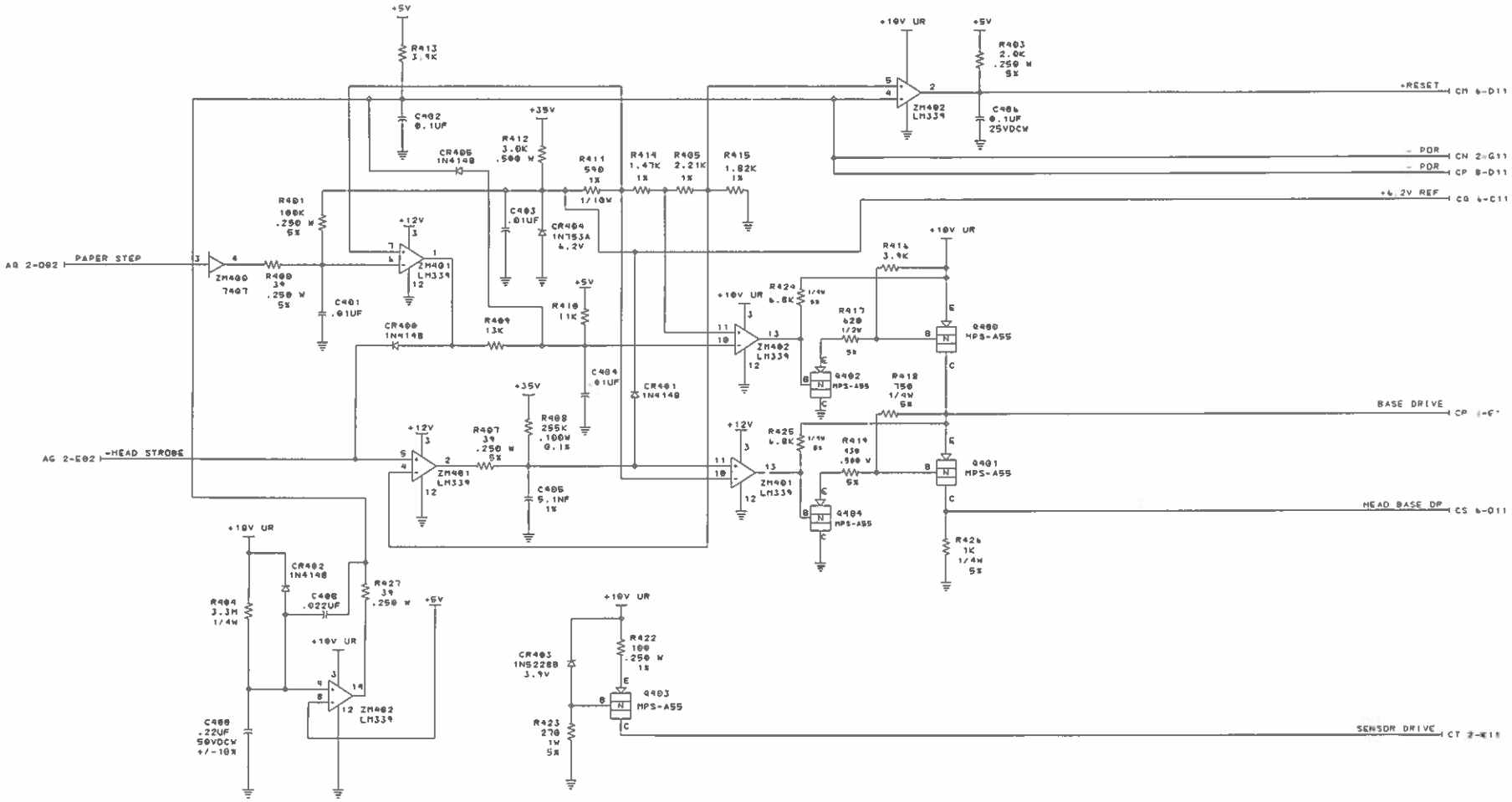



+5V
A5
3.3K
CENT - INIT
CENT - STROBE
8G 2-M11
8M 2-M11
CD8
CENT VCC 35
CENT - INIT 31
CENT + PAP EMPT 12
CENT + SELECT 13
CENT - ERROR 32
CENT - ACKNG 10
CENT + BUSY 11
CENT - STROBE 1
CENT DATABIT 8 9
CENT DATABIT 7 8
CENT DATABIT 6 7
CENT DATABIT 5 6
CENT DATABIT 4 5
CENT DATABIT 3 4
CENT DATABIT 2 3
CENT DATABIT 1 2
CD7
CENT + BUSY 6
CENT - ACKNG 4
CENT - ERROR 3
CENT + PAP EMPT 1
CENT - STROBE 15
CENT DATABIT 8 27
CENT DATABIT 7 26
CENT DATABIT 6 24
CENT DATABIT 5 23
CENT DATABIT 4 21
CENT DATABIT 3 20
CENT DATABIT 2 18
CENT DATABIT 1 17
8A 2-B02
8D 2-B02
8F 2-A02
8E 2-A02
8C 2-B02
CENT + PAP EMPT
CENT + SELECT
CENT - ERROR
CENT - ACKNG
CENT + BUSY
+5V
ZM203
7407
C401 100PF
C402 .68PF
C403 .68PF
C404 .68PF
C405 .68PF
A1
3.3K, 10K
A2
3.3K, 10K
8J 2-M11
8K 2-M11
8L 2-G11
8M 2-G11
8N 2-G11
8P 2-G11
8Q 2-G11
8R 2-G11
CD7
CD8
FRAME GROUND
+25V RET
+25V
+10V UR
8Z 7-C03
8Y 7-E03
MM 2-G02

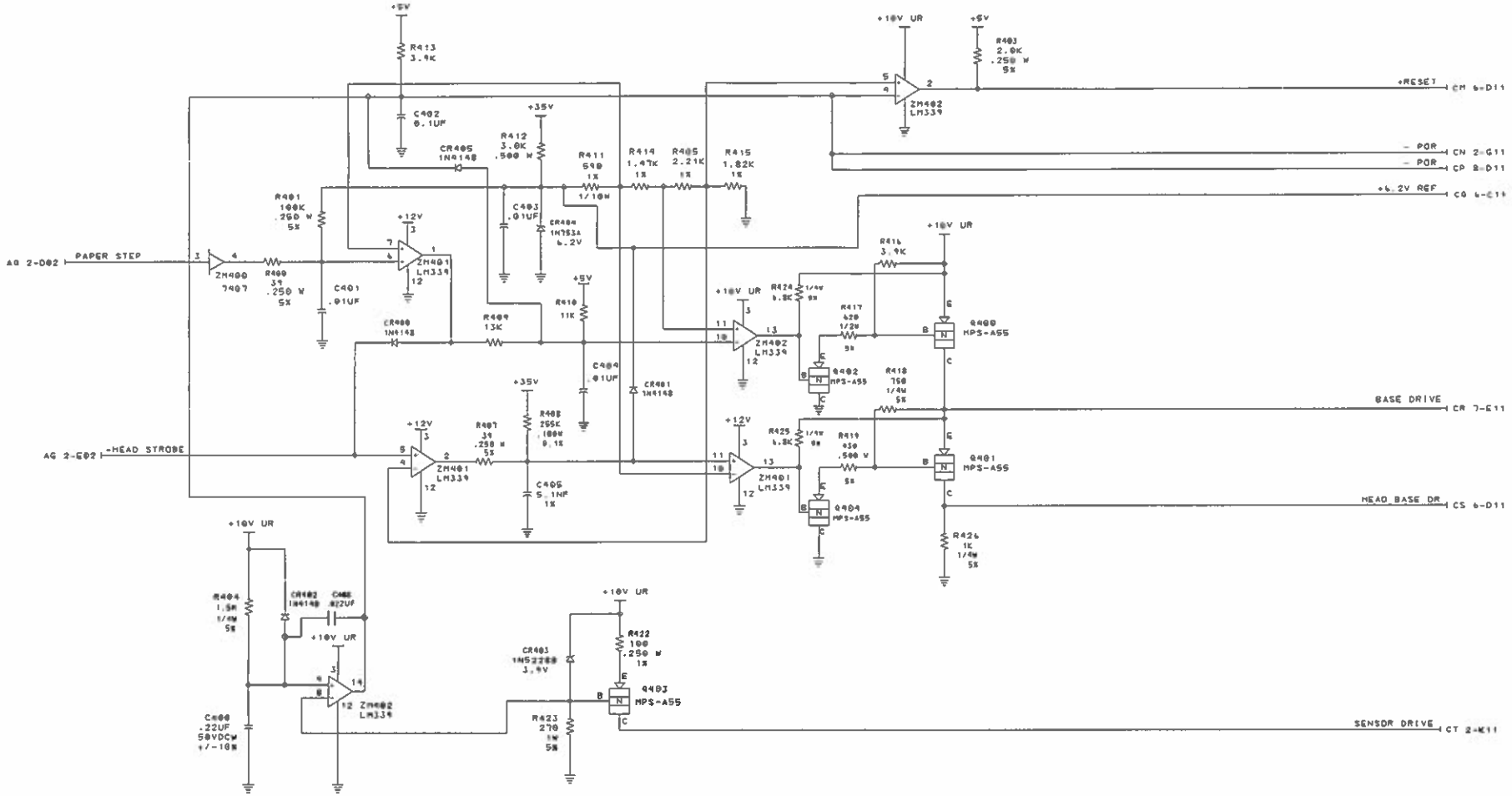
Microprocessor and Parallel Interface (Version 3)



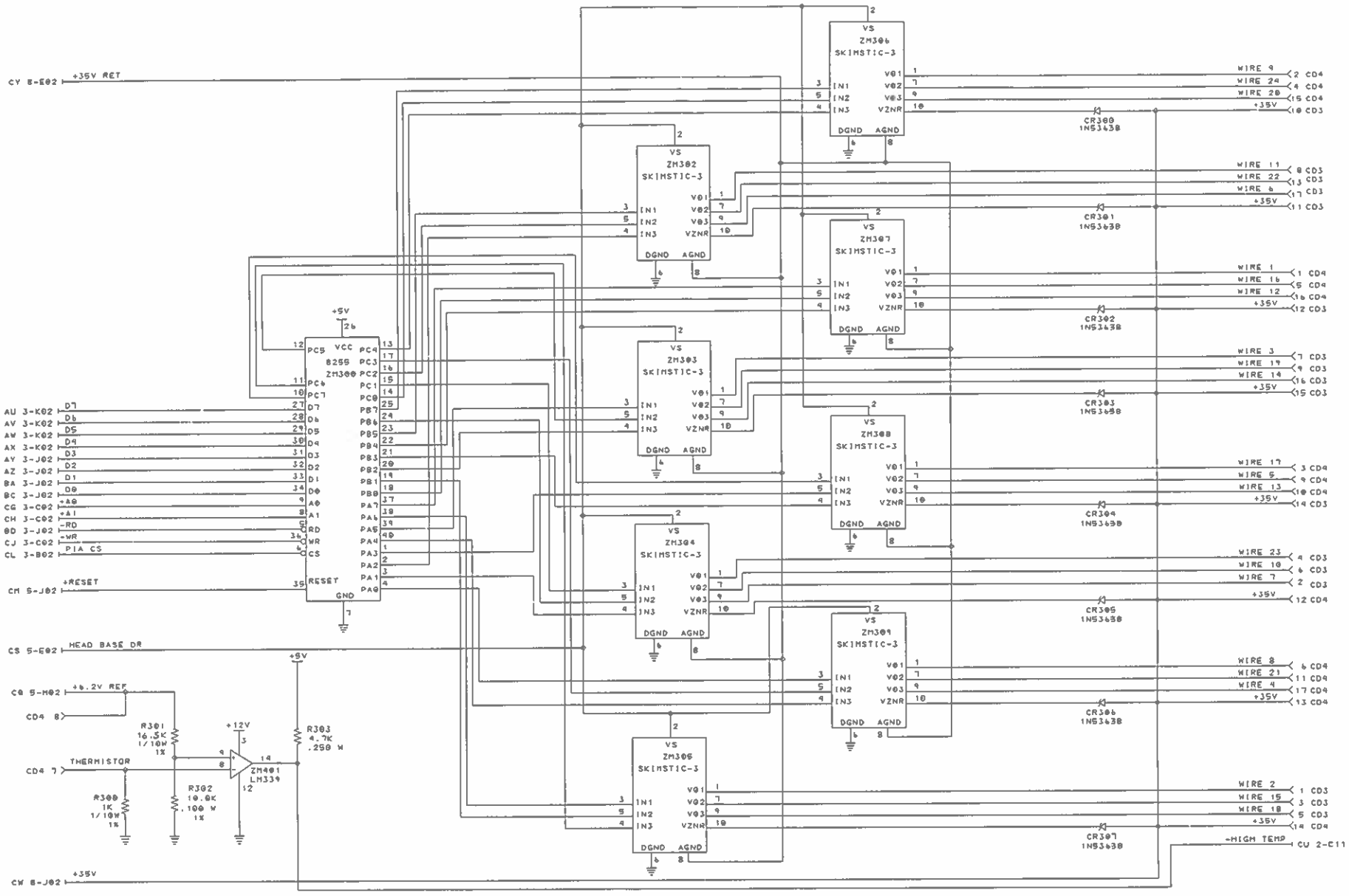
Analog Timing (Version 3)



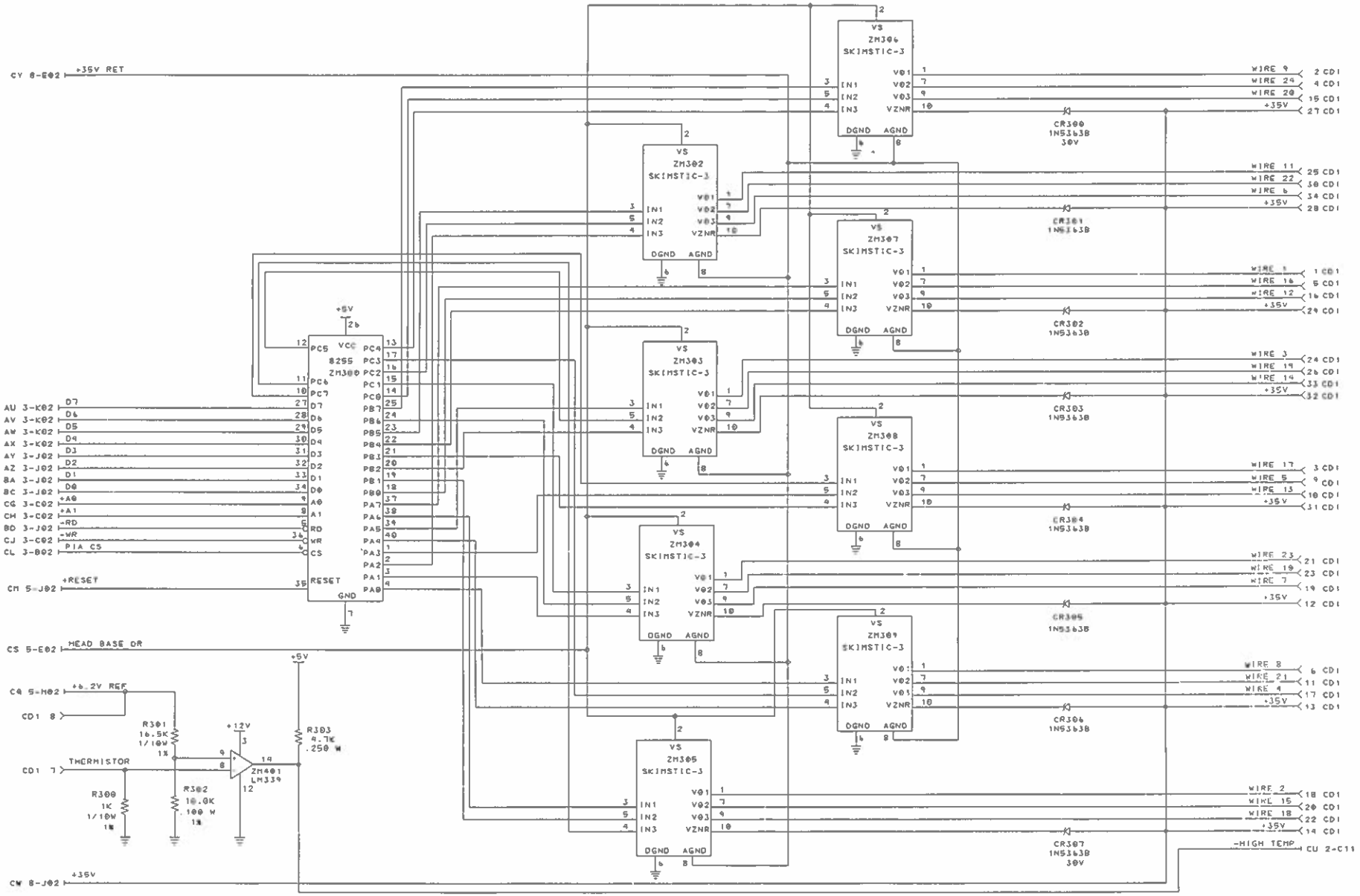
Analog Timing (Version 1 and 2)



Print Drivers and Card-Cable Connector (Version 1)

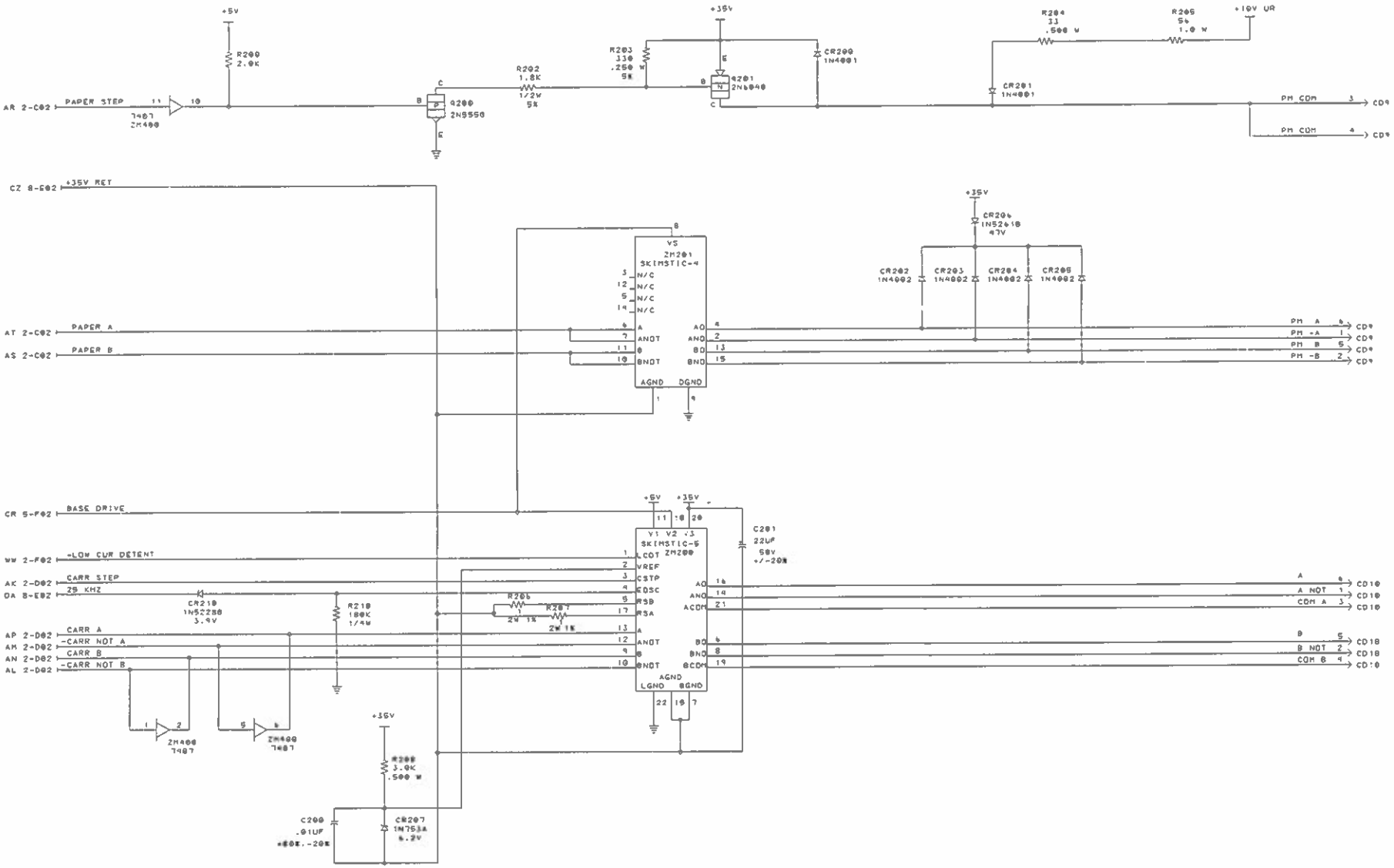


Print Drivers and Card-Cable Connector (Versions 2 and 3)

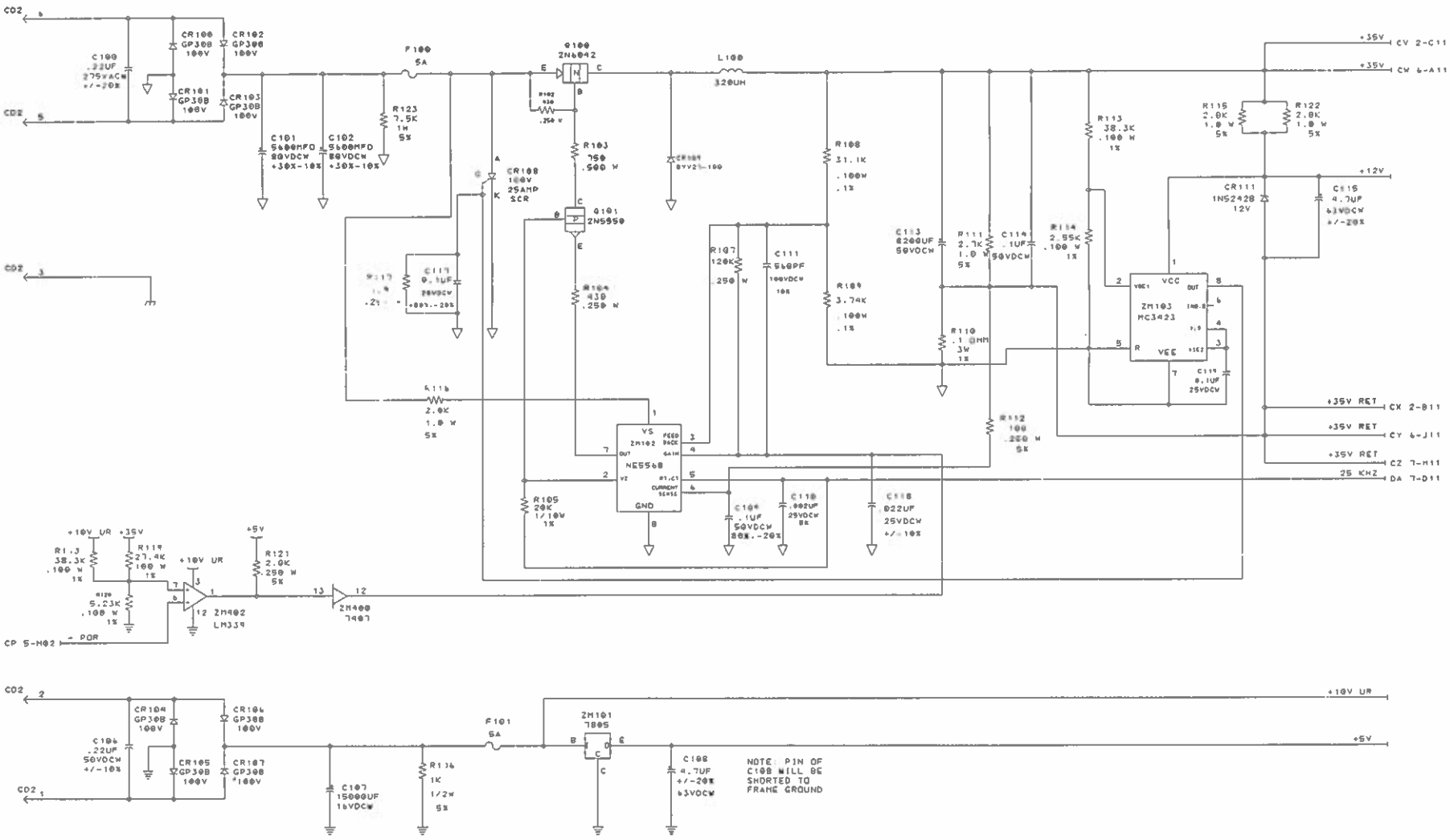


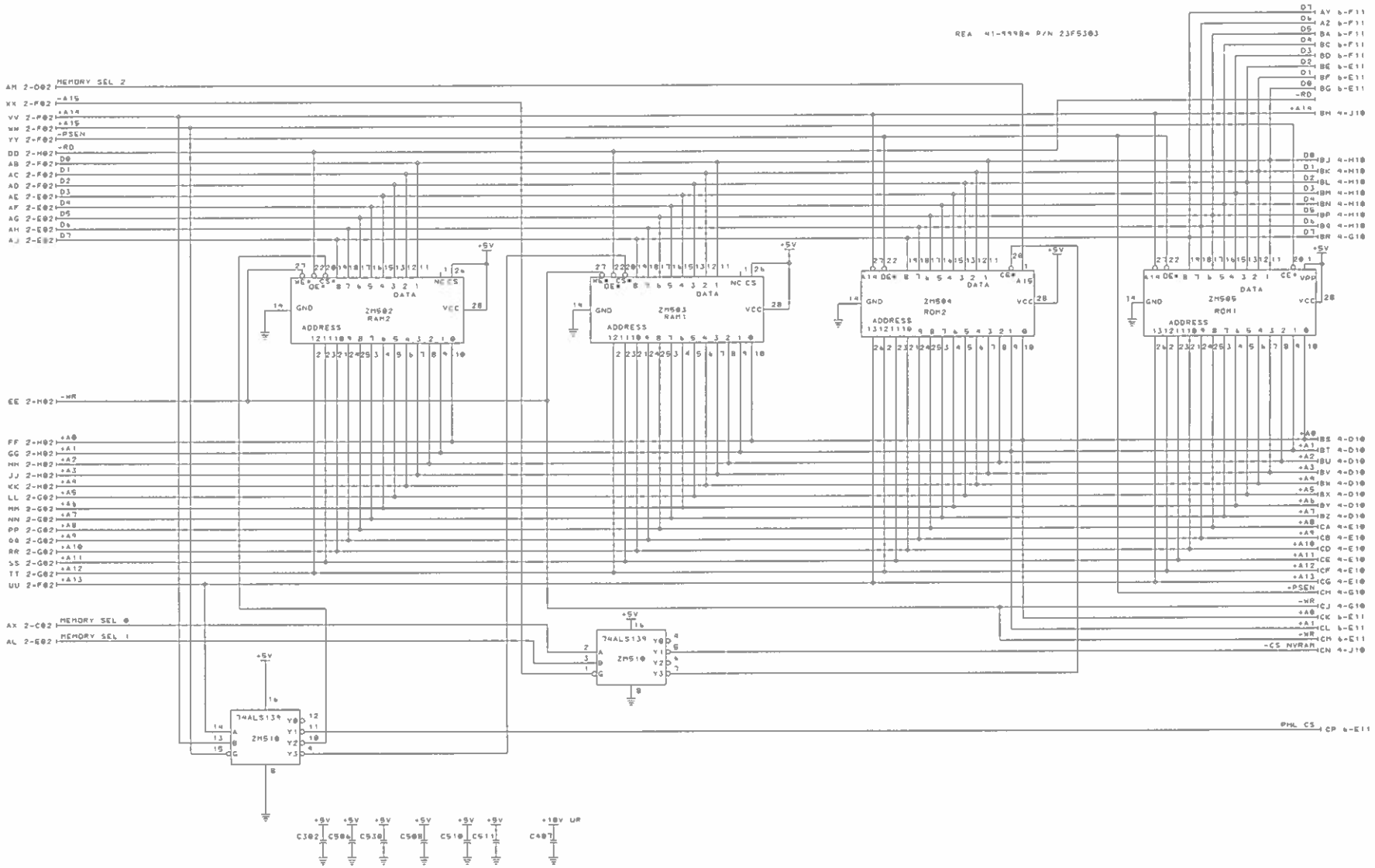
Print Drivers and Card-Cable Connector (Versions 2 and 3)

Motor Drivers (All Versions)

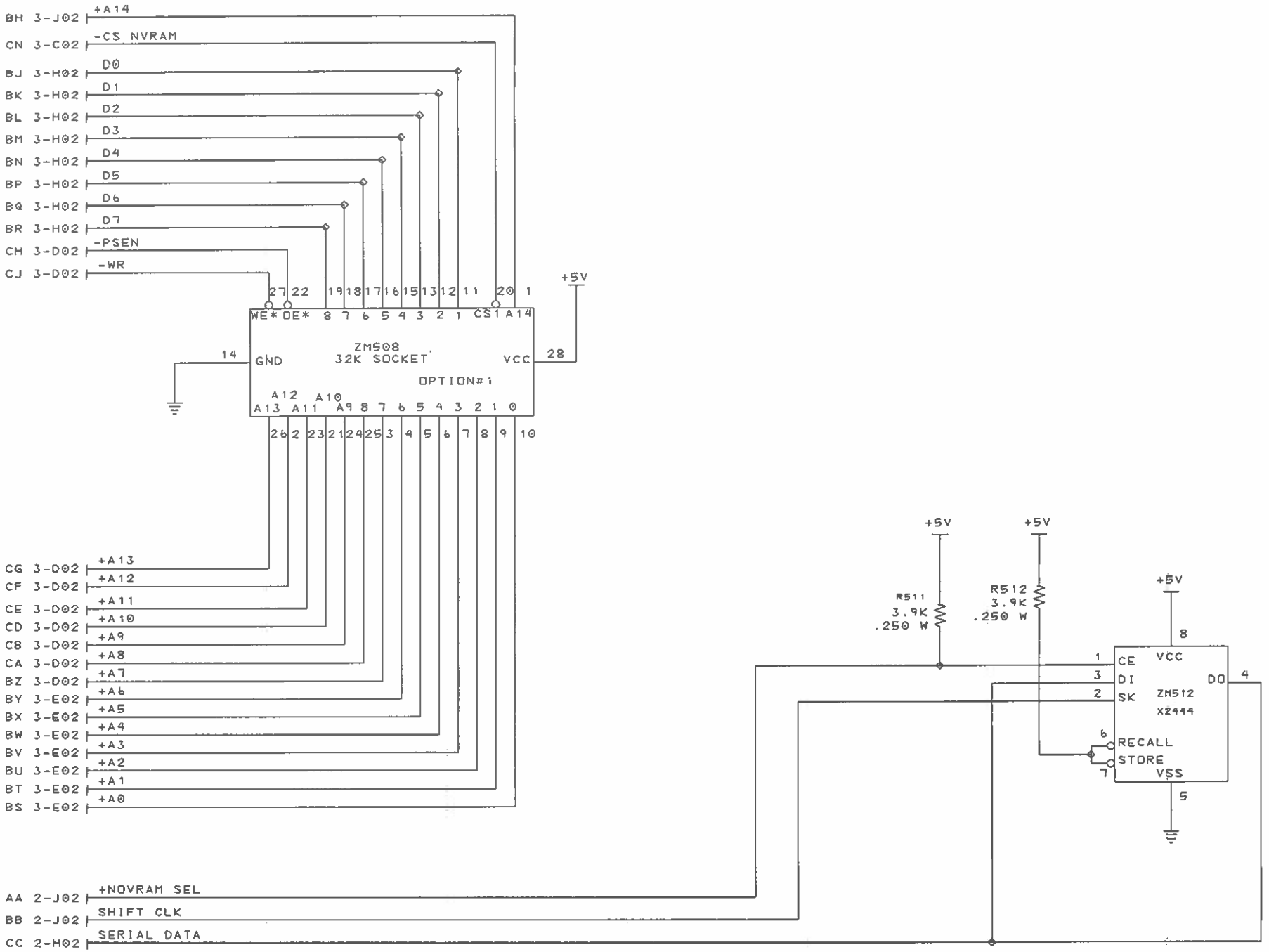


Power Supply (All Versions)

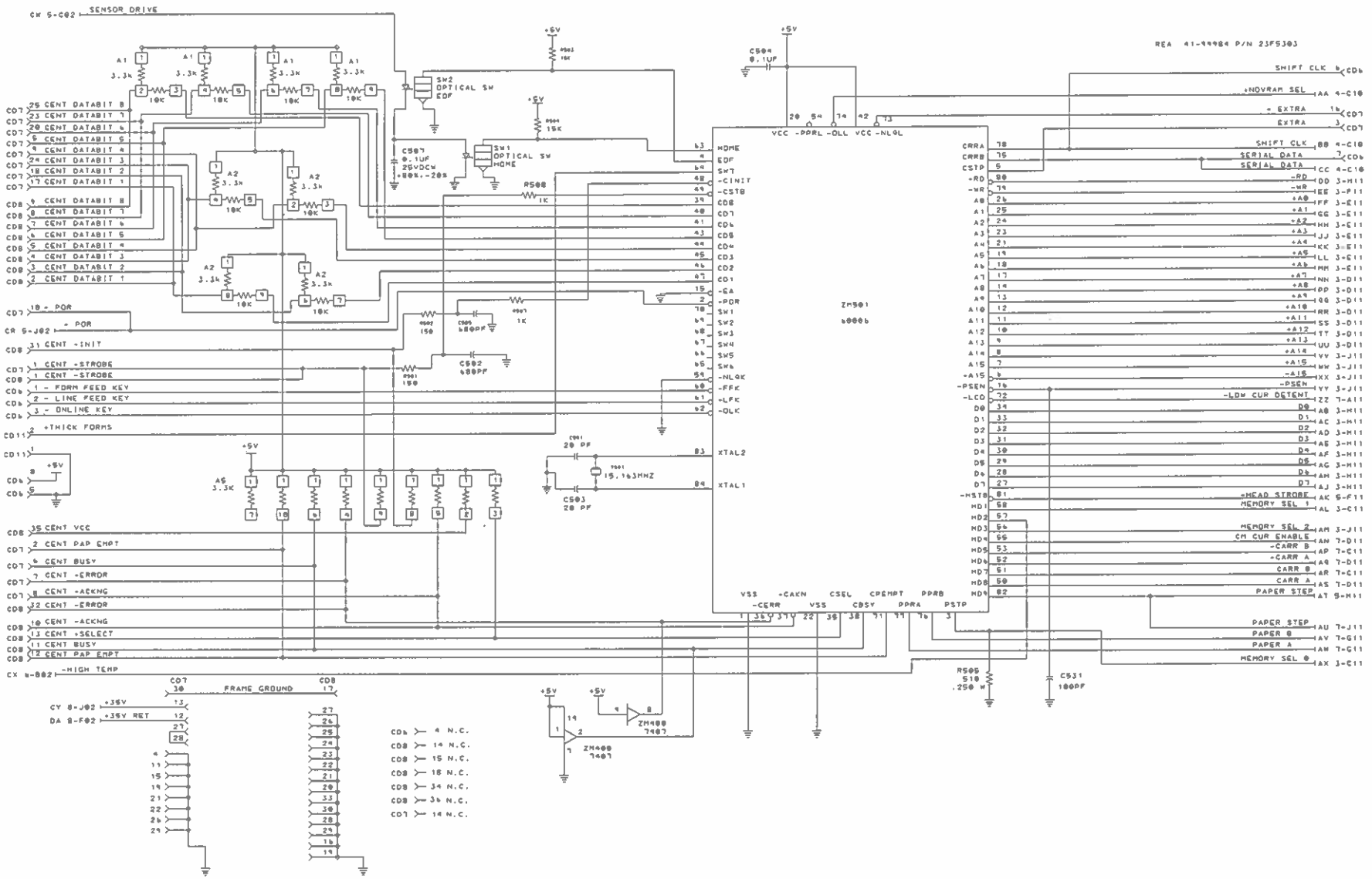



REA 41-99984 P/N 23F5303
MEMORY SEL 2
MEMORY SEL 0
MEMORY SEL 1
-WR
-RD
-PSEN
-CS NVRAM
PHL CS
+5V
+18V UR
74ALS139
ZM502 RAM2
ZM503 RAM1
ZM504 ROM2
ZM505 ROM1
ZM510
ZM511
DATA
ADDRESS
GND
VCC
C302
C504
C530
C508
C510
C511
C407

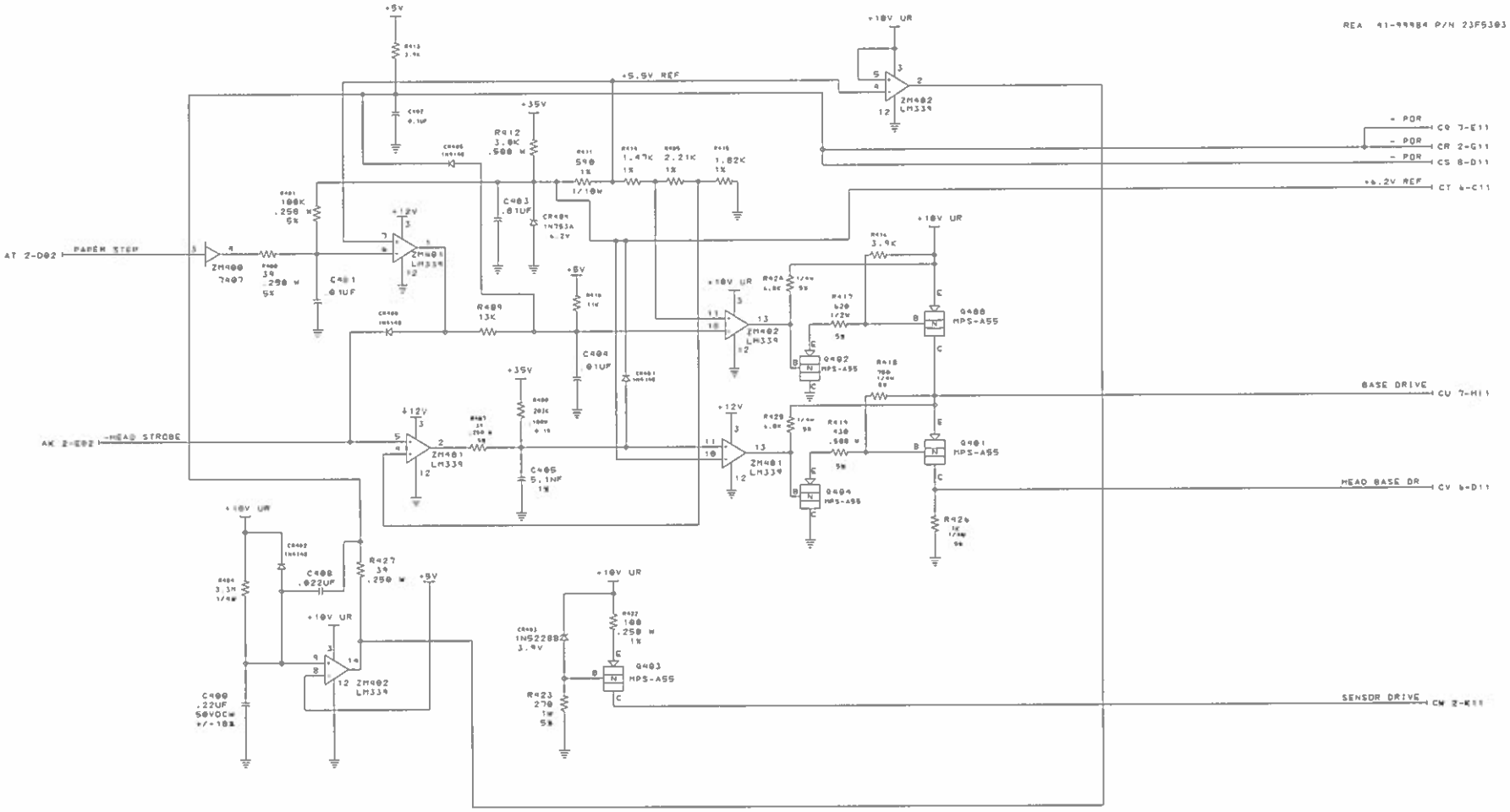
FontSet Module and NOVRAM



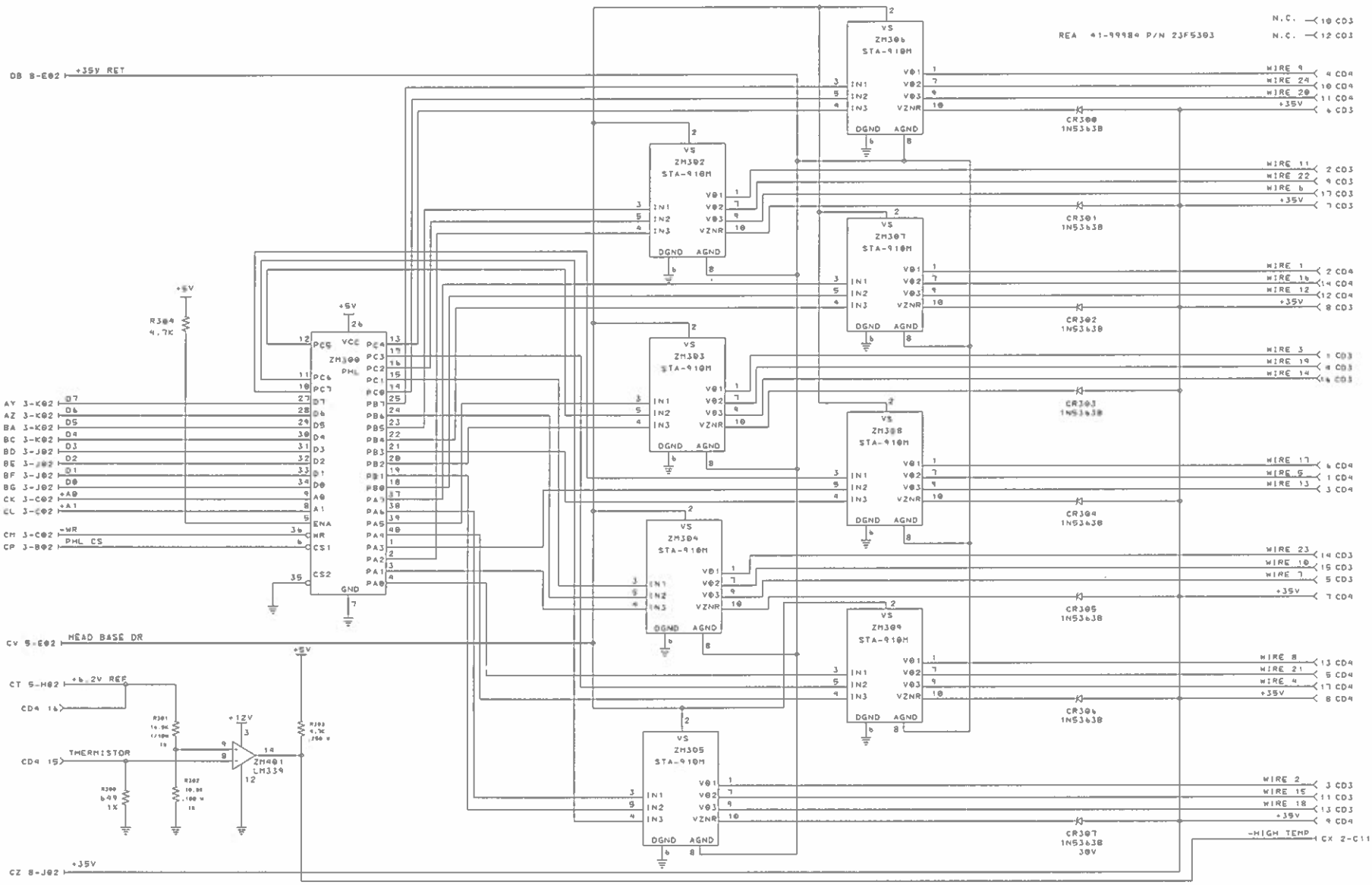
Microprocessor and Parallel Interface



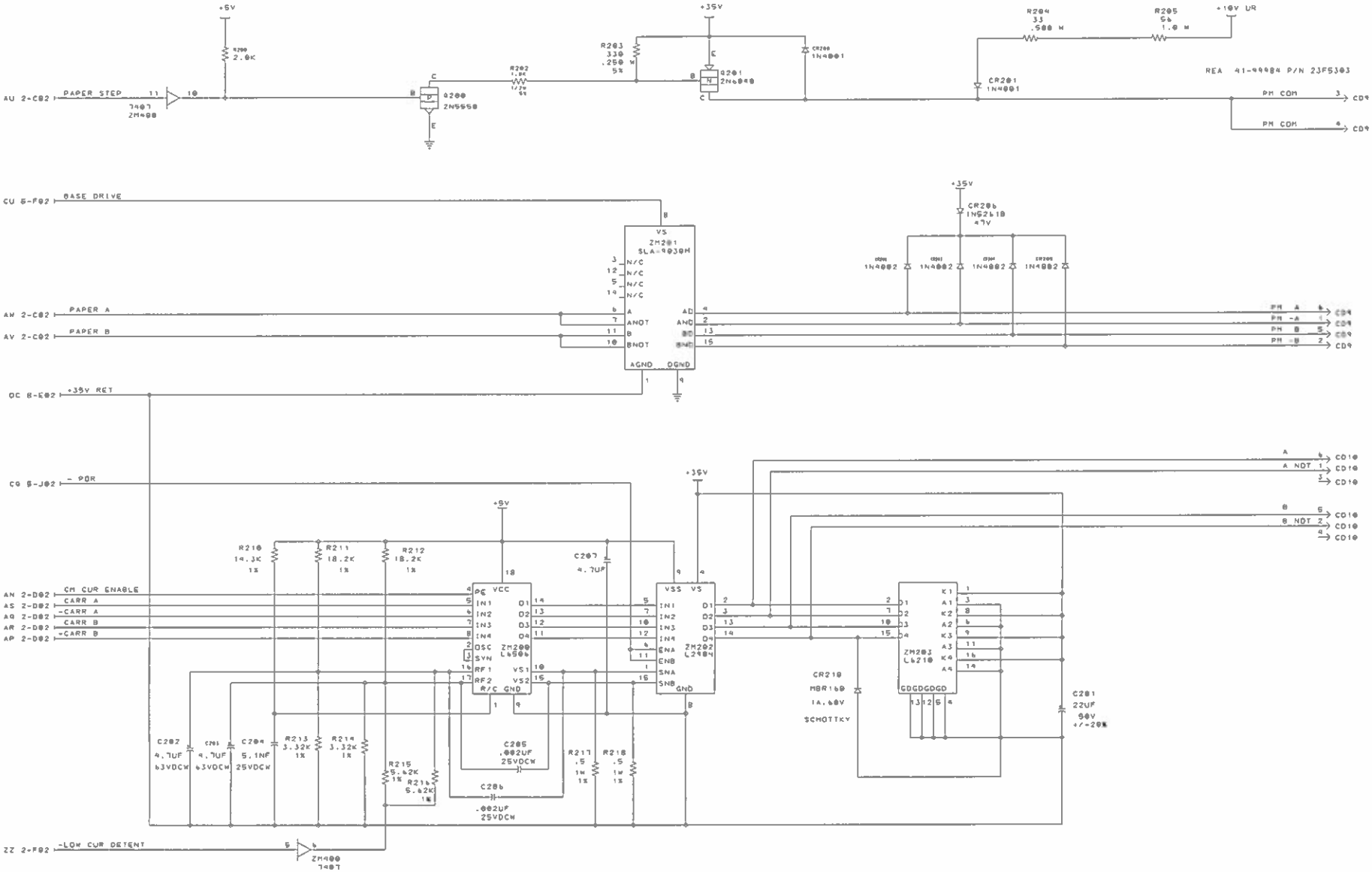
Analog Timing

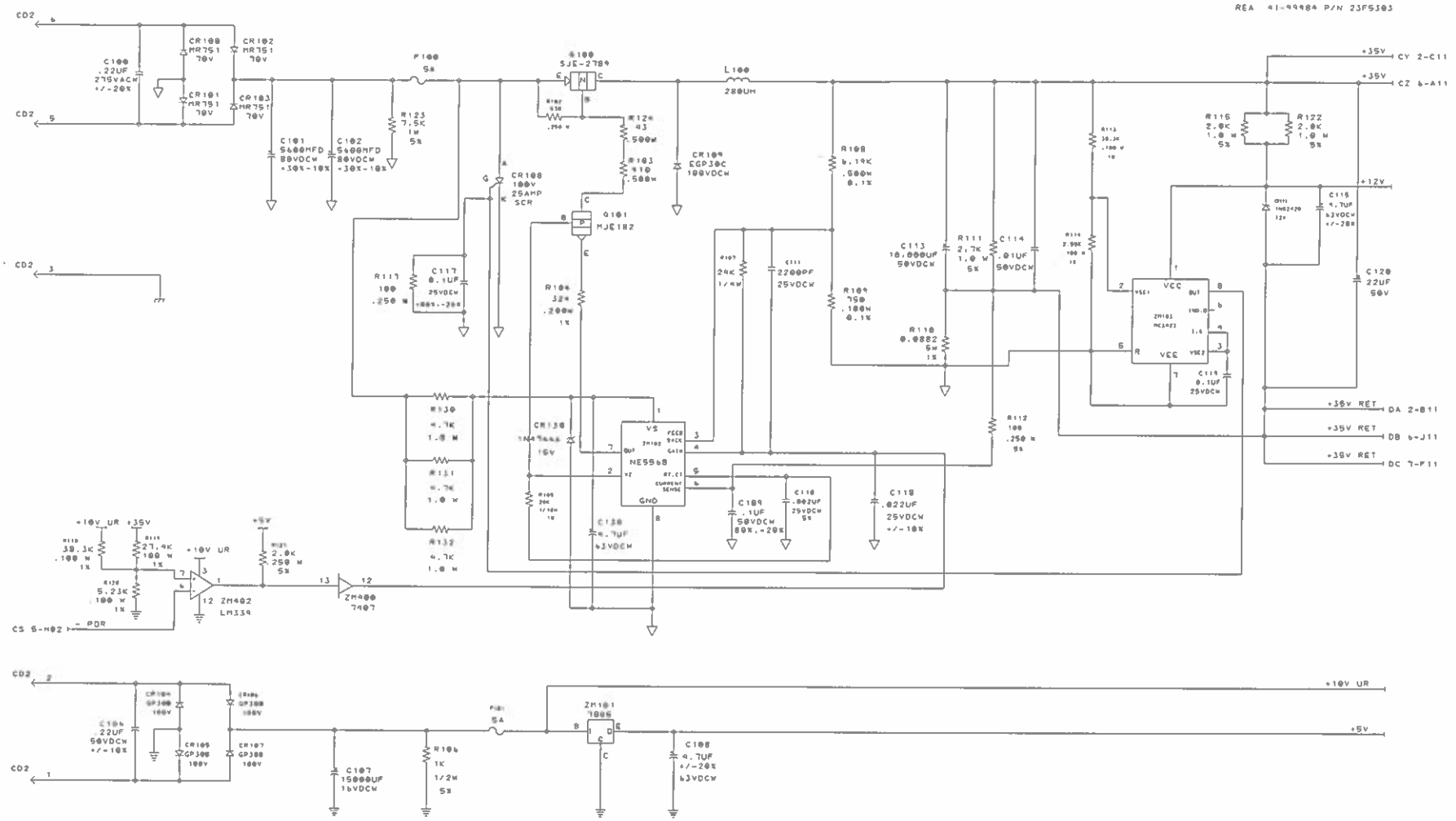


Print Drivers and Head Cable Connectors

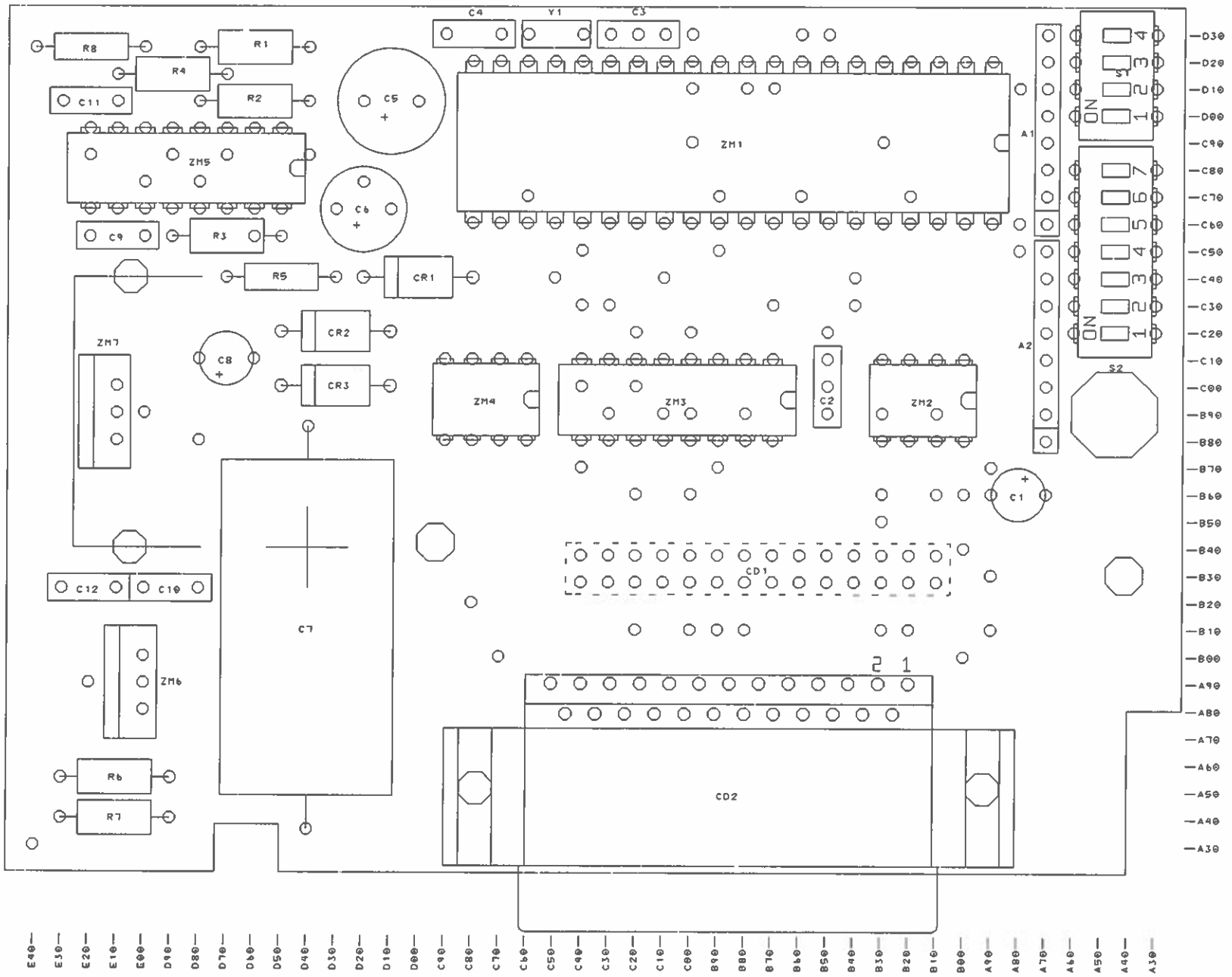


Motor Drivers



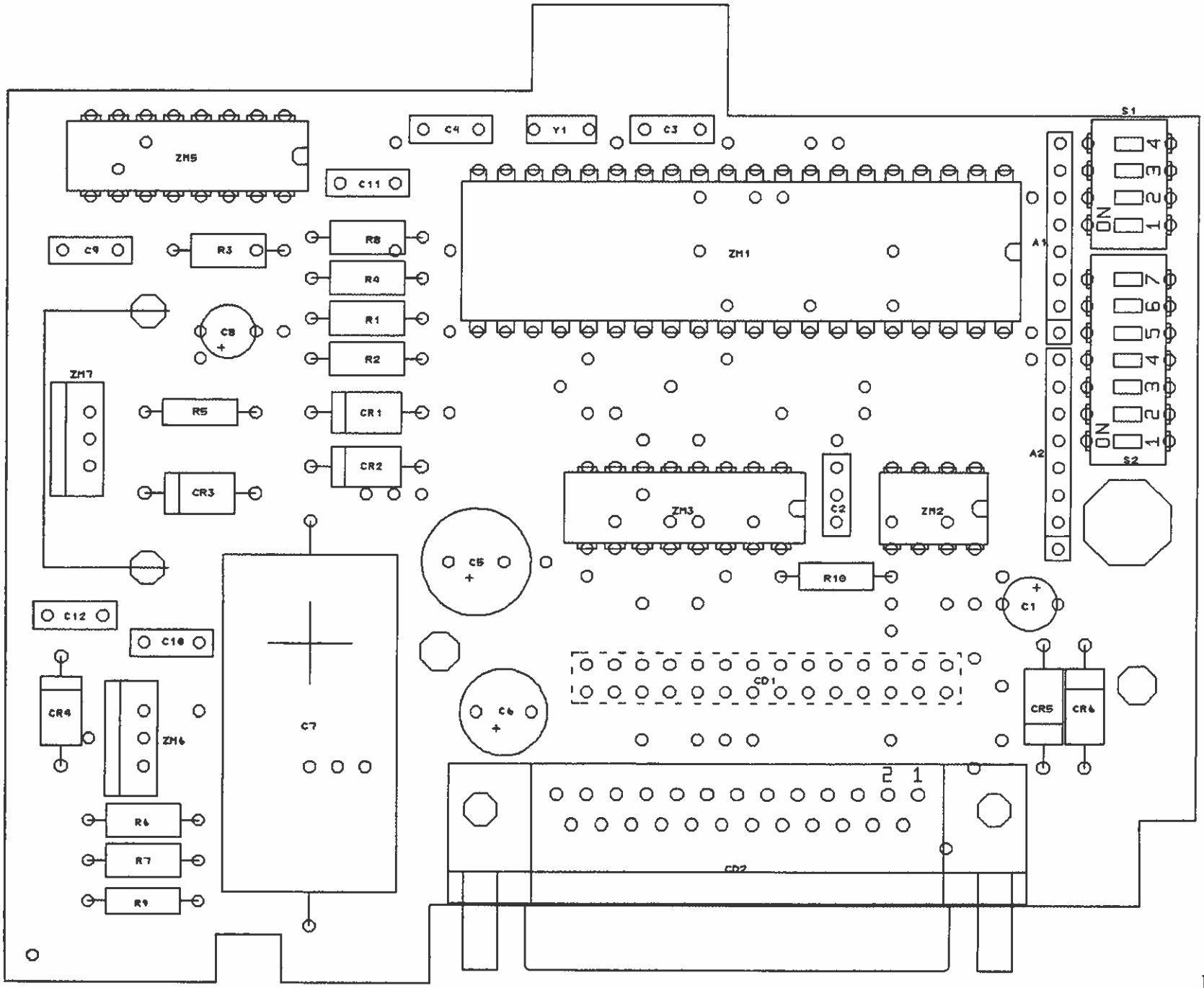

REA 41-99984 P/N 23F5303
CR100 MR751 70V
CR101 MR751 70V
CR102 MR751 70V
CR103 MR751 70V
C100 .22UF 275VAC +/-20%
C101 5600MFD 80VDCW +30%-10%
C102 5600MFD 80VDCW +30%-10%
R123 7.5K 1W 5%
F100 5A
Q100 SJE-2784
L100 280UH
CR109 EGP30C 100VDCW
CR108 100V 25AMP SCR
Q101 MJE182
R108 6.19K .500W 0.1%
R107 24K 1/4W
C111 2200PF 25VDCW
R109 750 .100W 0.1%
C113 10,000UF 50VDCW
R111 2.7K 1.0 W 5%
C114 .01UF 50VDCW
R110 0.0882 5W 1%
R112 100 .250 W 5%
R116 2.0K 1.0 W 5%
R122 2.0K 1.0 W 5%
C115 4.7UF 63VDCW +/-20%
C120 22UF 50V
R117 100 .250 W
C117 0.1UF 25VDCW
R104 32K .200W 1%
R130 4.7K 1.0 W
R131 4.7K 1.0 W
R132 4.7K 1.0 W
CR130 1N4744A 15V
C130 4.7UF 63VDCW
C109 .1UF 50VDCW +80%-20%
C110 .002UF 25VDCW 5%
C118 .022UF 25VDCW +/-10%
C119 0.1UF 25VDCW
+35V
+12V
+36V RET
+35V RET
+36V RET
CY 2-C11
CZ 6-A11
DA 2-B11
DB 6-J11
DC 7-F11
+10V UR
+5V
- PDR
CS 6-H02
CD2
C106 .22UF 50VDCW +/-10%
C107 15000UF 16VDCW
R106 1K 1/2W 5%
C108 4.7UF +/-20% 63VDCW

Card Layout (Version 1)



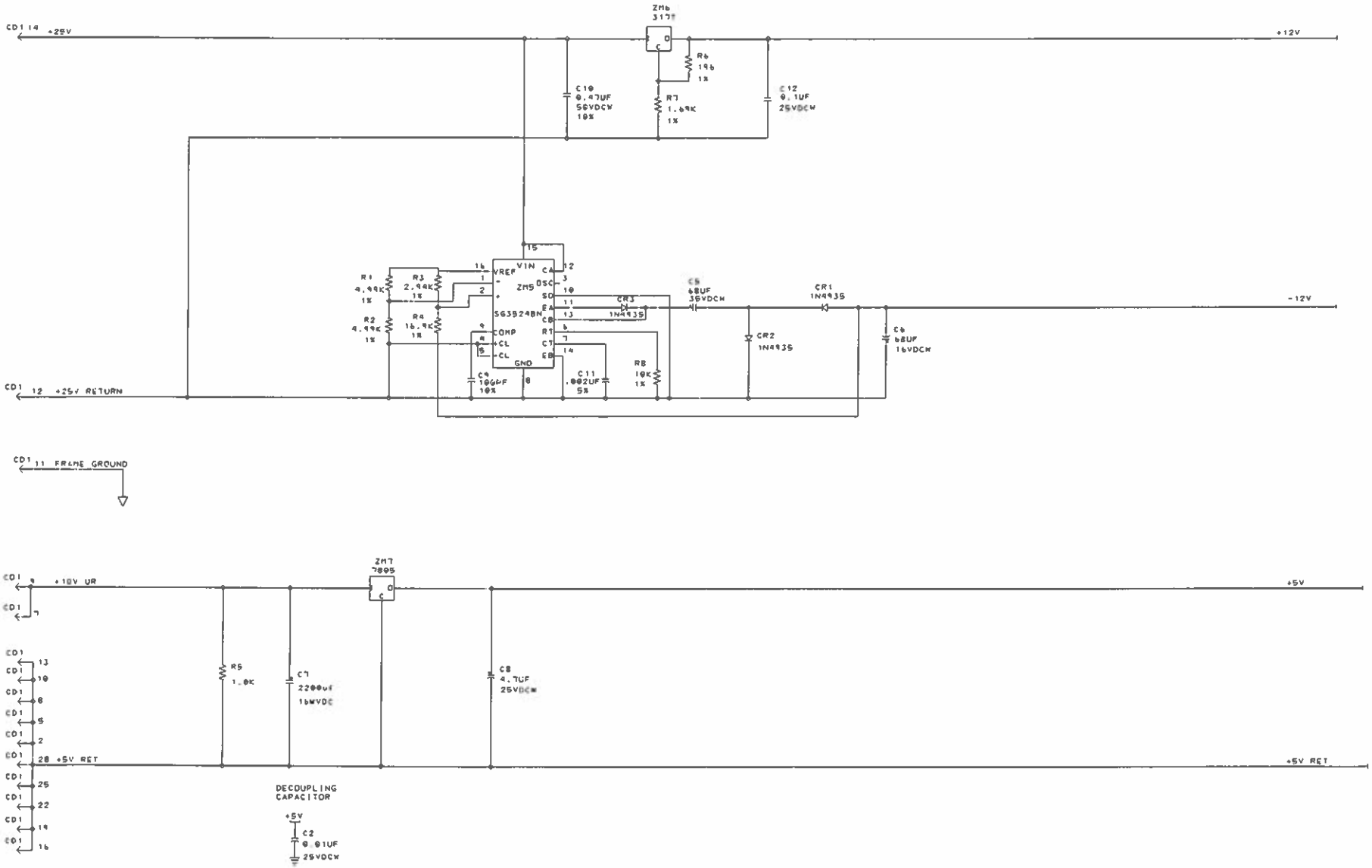
Card Layout (Version 1)

Card Layout (Version 2)

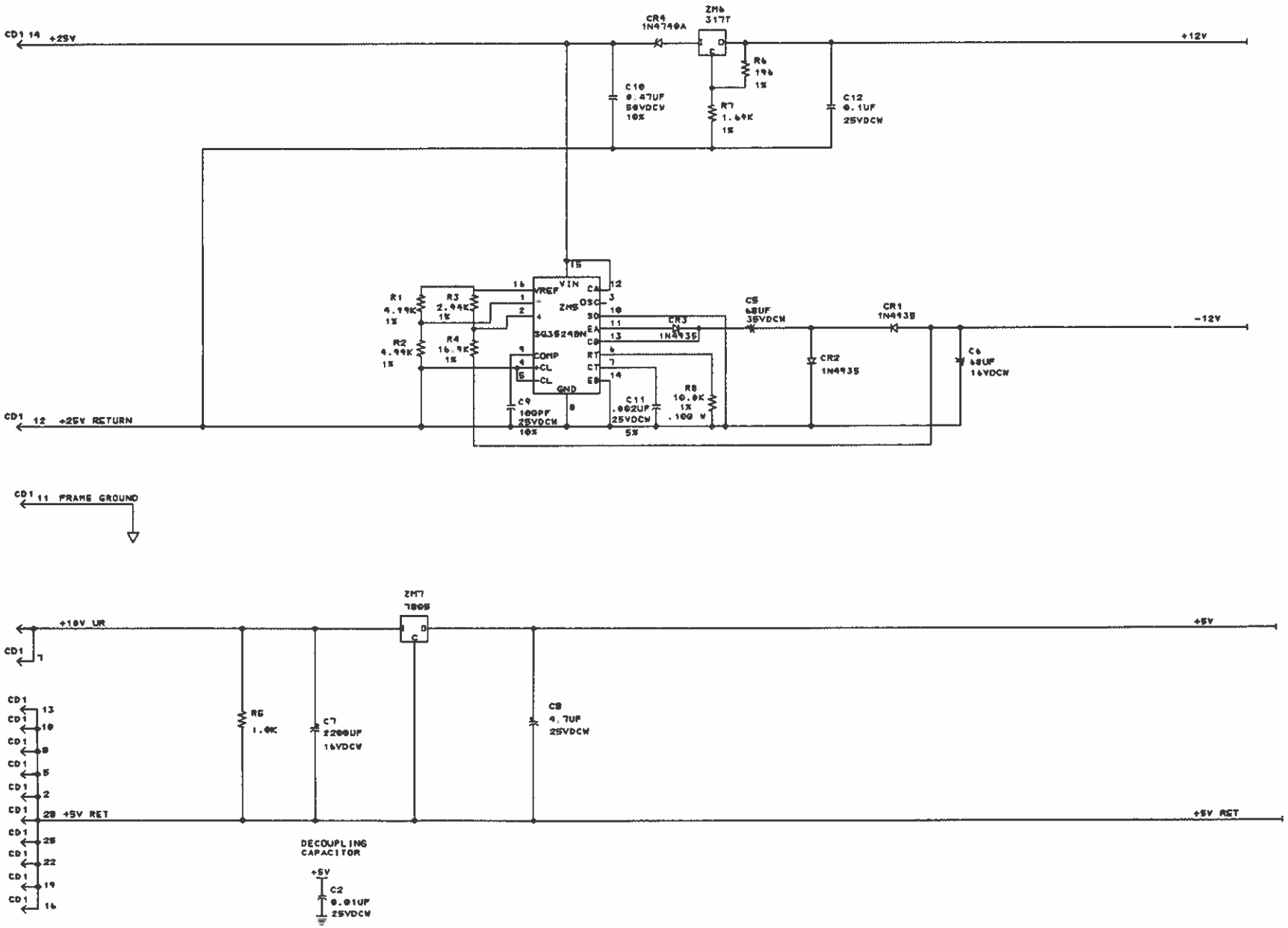


Card Layout (Version 2)

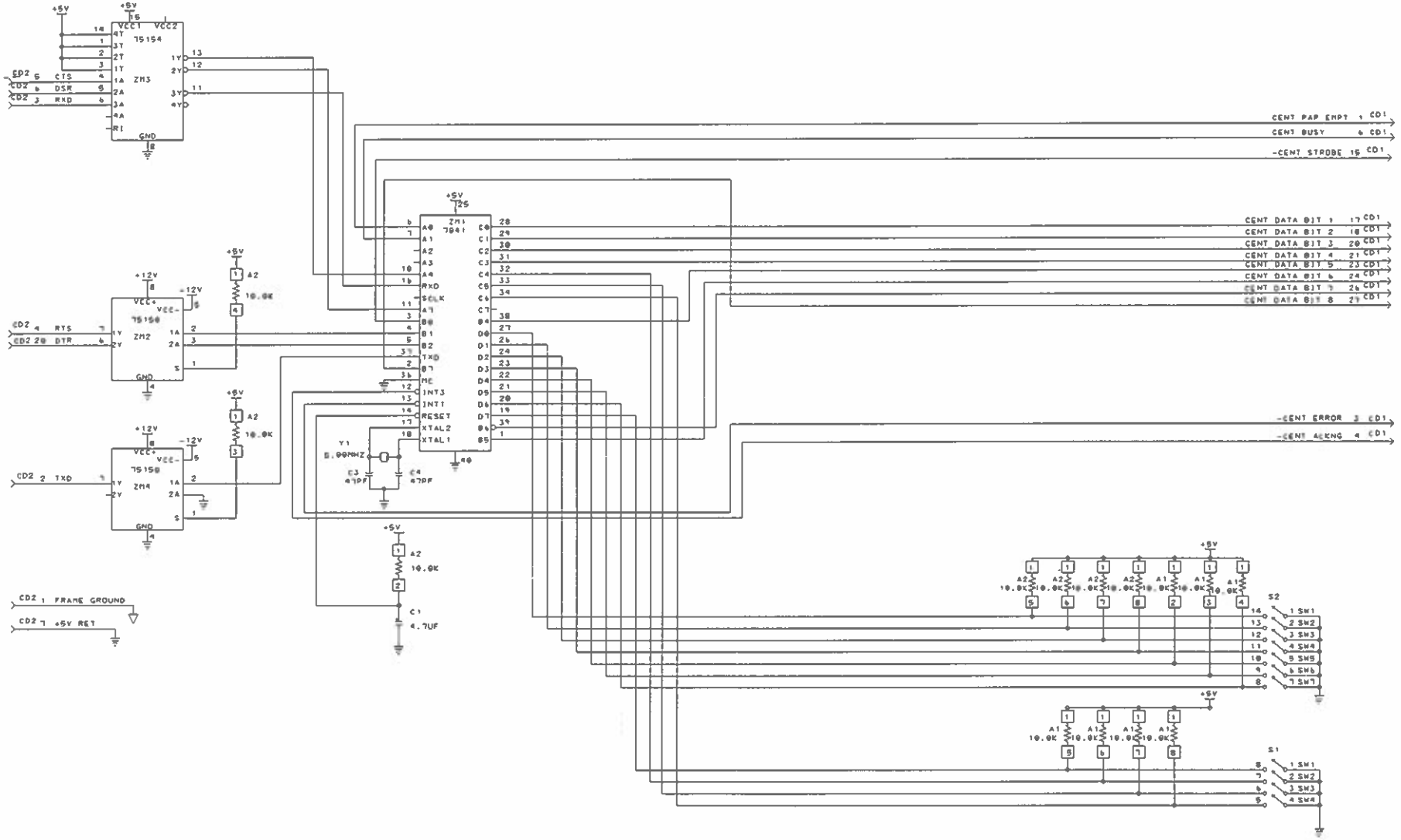
Power Supply (Version 1)



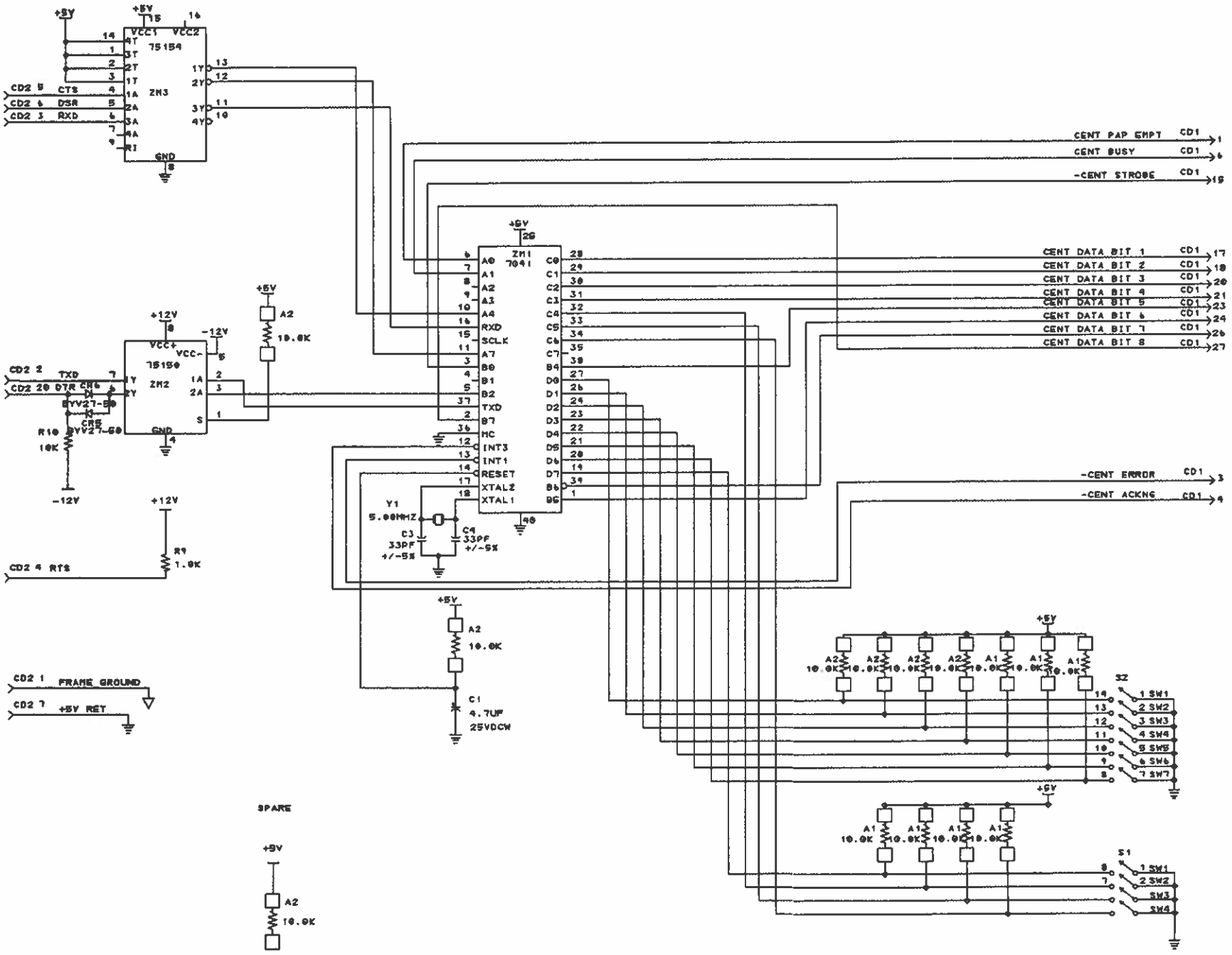
Power Supply (Version 2)



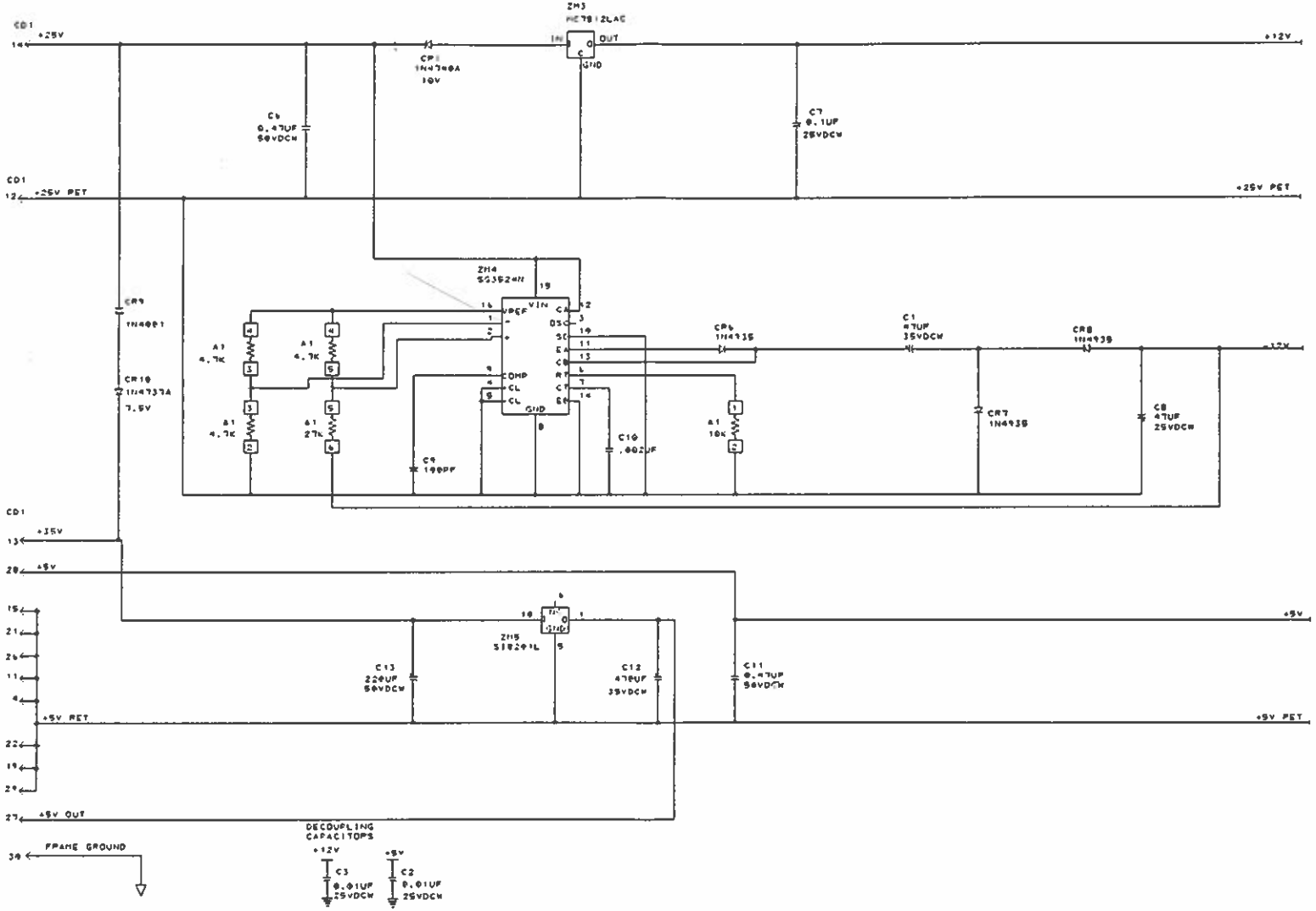
Processor (Version 1)



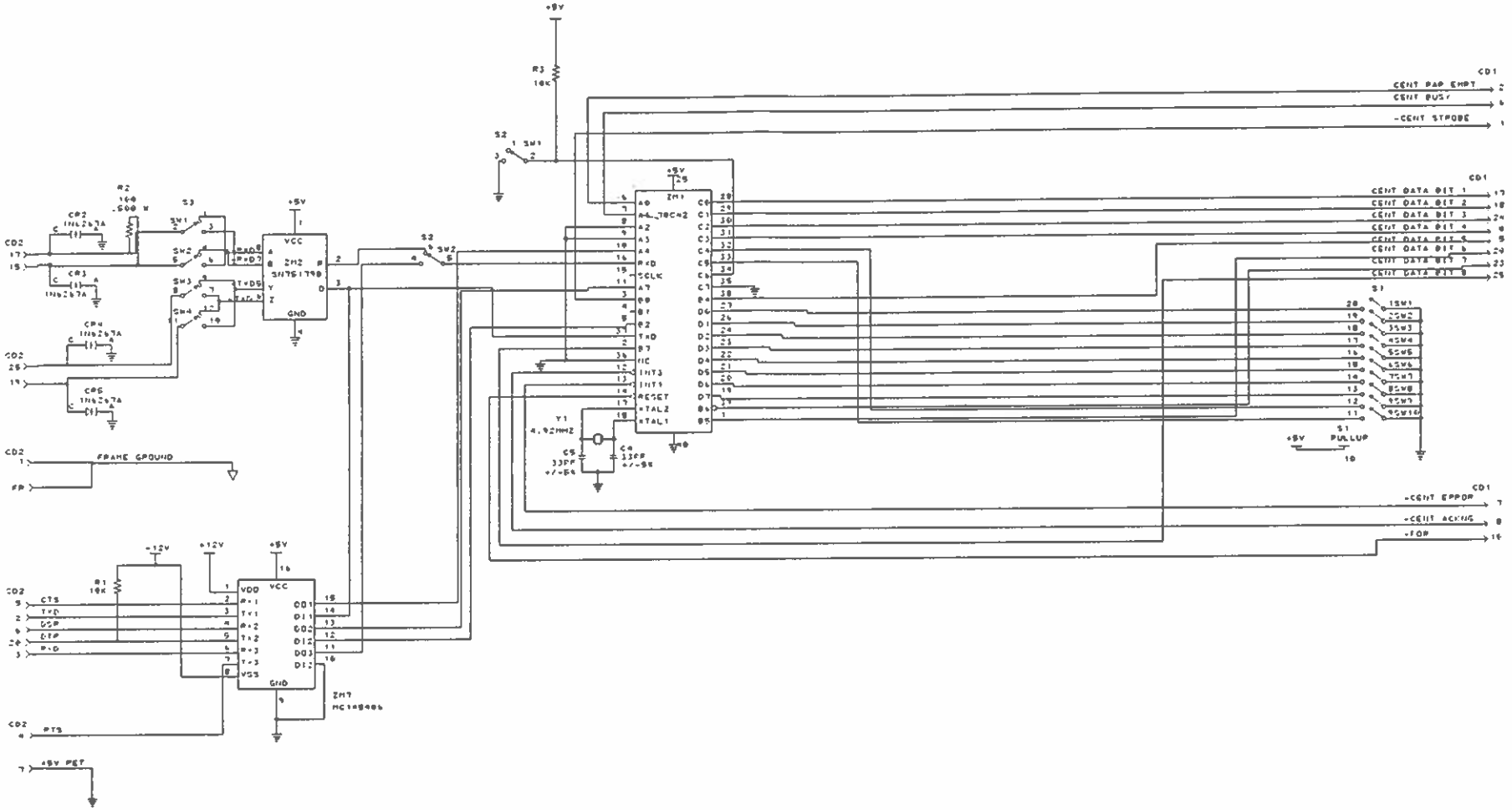
Processor (Version 2)



Power Supply



Power Supply


+5V
R3
10K
S2
SW1
CD1
CENT BSY
-CENT STROBE
CENT DATA BIT 1
CENT DATA BIT 2
CENT DATA BIT 3
CENT DATA BIT 4
CENT DATA BIT 5
CENT DATA BIT 6
CENT DATA BIT 7
CENT DATA BIT 8
R2
160
.500 W
S3
SW1
SW2
SW3
SW4
CD2
CP2
CP3
CP4
CP5
1N6267A
VCC
GND
SN75179B
FRAME GROUND
FG
ZM1
Z80C42
Y1
4.92MHZ
C5
33PF
+/-5%
C6
33PF
+/-5%
S1
PULLUP
-CENT ERROR
-CENT ACKNG
-FOR
+12V
R1
10K
CTS
TXD
DSR
DTR
RXD
RTS
+5V PET
VDD
VCC
GND
VSS
ZM7
MC1488P